



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE

Pesticide Data Program Annual Summary

Calendar Year
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Dear Reader:

We are pleased to present the Pesticide Data Program's (PDP) 34th Annual Summary for calendar year 2024. The 34 years of PDP residue data (available through our website) represent one of the largest sources of food pesticide residue data available worldwide.

The U.S. Department of Agriculture (USDA) Agricultural Marketing Service (AMS) conducts the PDP each year to collect new and updated data on pesticide residues in food. The PDP provides high-quality, nationally representative pesticide residue data that contribute to the information available to help ensure consumer confidence in the foods they provide to their families and supports U.S. farmers and ranchers in growing crops for U.S. consumption and export.

This Annual Summary report shows that when pesticide residues are found in foods, they are nearly always at levels below the tolerance, or maximum amount of a pesticide allowed to remain in or on a food, which is set by the U.S. Environmental Protection Agency (EPA). In 2024, more than 99 percent of the commodities sampled through PDP had residues below the established EPA tolerances, with 42.3 percent having no detectable residue. Pesticide residues in food are expected to be at or below the tolerance if the pesticide is applied following the label directions. Tolerances are established only after EPA has determined that foods containing these residue levels meet the regulatory standard of reasonable certainty of no harm.

The PDP tests a wide variety of domestic and imported foods, with a strong focus on foods that are consumed by infants and children. EPA relies on PDP data to conduct dietary exposure and risk assessments and to review the maximum amount of a pesticide allowed to remain in or on a food. USDA uses the data to better understand the relationship of pesticide residues with agricultural practices and to implement USDA's integrated pest management objectives. USDA also works with U.S. growers to improve agricultural practices and to facilitate the adoption of integrated pest management techniques, including judicious use of pesticides, throughout the food supply chain.

Please note that the PDP is not designed for enforcement of EPA pesticide residue tolerances. Rather, the U.S. Food and Drug Administration (FDA) is responsible for enforcing EPA-established tolerances. The PDP provides FDA and EPA with monthly reports of pesticide residue testing and informs the FDA if detected residues exceed the EPA tolerance or have no EPA tolerance established.

To collect the data in this Annual Summary report, the PDP works with State agencies representing all census regions of the country and nearly half of the U.S. population. In 2024, samples were collected in California, Colorado, Florida, Maryland, Michigan, New York, Ohio, Texas, and Washington.

For more information about PDP, please visit our website at www.ams.usda.gov/pdp. For more information about pesticides and food, please visit EPA's website at www.epa.gov/safepestcontrol/food-and-pesticides and FDA's website at www.fda.gov/food/chemical-contaminants-pesticides/pesticides.

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Acknowledgments

The States participating in the Pesticide Data Program (PDP) deserve special recognition for their contributions to the program. The dedication and flexibility of sample collectors allow the U.S. Department of Agriculture's (USDA's) Agricultural Marketing Service (AMS) to adjust sampling protocols when responding to changing trends in commodity distribution and availability. PDP acknowledges the contributions of the State laboratories in providing testing services to the program and the USDA National Agricultural Statistics Service for providing statistical support. PDP also acknowledges the exceptional support of the Health Effects Division staff of the U.S. Environmental Protection Agency, Office of Pesticide Programs, and the U.S. Food and Drug Administration, Human Foods Program, Office of Food Chemical Safety, Dietary Supplements, and Innovation, in helping to set the direction for PDP.

Data presented in this report are the latest available and were collected and processed through the efforts of the following organizations:

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- California Department of Pesticide Regulation
- Colorado Department of Agriculture
- Florida Department of Agriculture and Consumer Services
- Maryland Department of Agriculture
- Michigan Department of Agriculture and Rural Development
- New York Department of Agriculture and Markets
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- Texas Department of Agriculture
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Executive Summary

In 1991, the U.S. Department of Agriculture (USDA) Agricultural Marketing Service (AMS) was charged with designing and implementing the Pesticide Data Program (PDP) to collect data on pesticide residues in food, and Congress mandated the program in the 1996 Food Quality Protection Act (FQPA). PDP provides high-quality data on pesticide residues in food, particularly foods most likely consumed by infants and children. This 34th Pesticide Data Program summary presents results for samples collected in 2024.

Before a company can sell or distribute any pesticide in the United States, the Environmental Protection Agency (EPA) reviews studies on the pesticide to ensure that it will not pose unreasonable risks to human health or the environment, while considering the economic, social, and environmental costs and benefits of the use of the pesticide. Once EPA has made that determination, it will license or register that pesticide for use in strict accordance with label directions. Before allowing a pesticide to be used on a food commodity, EPA sets limits on how much of a pesticide may be used on food during growing, processing, and storage, and how much can remain on the food. In setting the tolerance, or maximum residue limit in food, EPA makes a safety finding that the pesticide can be used with a reasonable certainty of no harm by considering the toxicity of the pesticide, how much of the pesticide is applied and how often, how much of the pesticide remains in or on food by the time it is marketed and prepared, and all possible routes of exposure including use on crops, exposure from drinking water, and residential exposure. EPA also sets standards to protect workers from exposure to pesticides on the job. PDP data are provided to EPA for its consideration in setting and reviewing tolerances.

PDP is a voluntary program and is not designed for enforcement of tolerances. However, PDP informs the U.S. Food and Drug Administration (FDA) and EPA of presumptive tolerance violations (PTVs) if detected residues exceed the EPA tolerance or if residues are detected that have no EPA tolerance established. FDA monitors food in interstate commerce to ensure that these limits are not exceeded. Additionally, PDP data are used within USDA to support U.S. growers. For example, USDA's Foreign Agricultural Service (FAS) uses PDP data to inform discussions about the export of U.S.-grown commodities.

AMS's Monitoring Programs Division (MPD) is responsible for the administration, planning, and coordination of day-to-day PDP operations. MPD regularly engages with EPA and other Government agencies to establish program priorities and direction. In 2024, sampling and testing program operations were carried out with the support of nine States: California, Colorado, Florida, Maryland, Michigan, New York, Ohio, Texas, and Washington. These States had a prominent role in program planning and policy setting, particularly policies relating to quality assurance.

PDP data benefit U.S. consumers and growers. PDP commodity sampling is based on a rigorous statistical design that ensures the data are reliable for use in exposure assessments and can be used to draw various conclusions about the Nation's food supply. The pesticides and commodities to be included each year in the sampling are selected based on EPA data needs, and the types and amounts of food consumed by infants and children are considered. The number of samples collected by each State is apportioned according to that State's population. Samples are randomly chosen close to the time and point of consumption (i.e., distribution centers rather than at the farm gate) and reflect what is typically available to the consumer throughout the year. Samples are selected without regard to country of origin, variety, growing season, or organic labeling.

Because PDP data are used for risk assessments, PDP laboratory methods are geared towards detecting very low levels of pesticide residues, even when those levels are well below the tolerances established by EPA. Prior to testing, PDP analysts washed samples for 15 to 20 seconds with gently running cold water as a consumer may do; no chemicals, soaps, or any special washes were used.

PDP laboratories also test foods for low levels of environmental contaminants that are no longer used as pesticides in the United States, but due to their persistence in the environment, particularly in soil, can be taken up by crops. Results for environmental contaminants in all commodities are listed in appendix E. More information on results is provided in section V, “Sample Results and Discussion.”

In 2024, over 99 percent of the samples tested had residues below the tolerances established by the EPA with 42.3 percent having no detectable residue. Appendixes B, C, and D provide a distribution of residues by pesticide and their metabolites for the commodities tested. Residues exceeding the tolerance were detected in 0.77 percent (76 samples) of the total samples tested (9,872 samples). Of these 76 samples, 12 were domestic (15.8 percent), 63 were imported (82.9 percent), and 1 was of unknown origin (1.3 percent). Residues with no established tolerance were found in 3.7 percent (361 samples) of the total samples tested (9,872 samples). Of these 361 samples, 118 were domestic (32.7 percent), 230 were imported (63.7 percent), and 13 were of unknown origin (3.6 percent).

Fresh and processed fruit and vegetables accounted for 9,165 samples or 92.8 percent of the total 9,872 samples collected in 2024. Fresh and processed fruit and vegetables tested during 2024 were: apples, avocados, blackberries (fresh and frozen), cherry tomatoes, cucumbers, head lettuce, leaf lettuce, onions, oranges, pineapples (fresh and frozen), potatoes, canned pumpkin, sweet corn (fresh and frozen), and tomatillos. Almonds accounted for 531 samples, or 5.4 percent of the total number of samples collected in 2024. Salmon accounted for 176 samples, or 1.8 percent of the total number of samples collected in 2024. Domestic samples accounted for 60.1 percent of all samples, while 38.9 percent were imports, 0.9 percent were of unknown origin, and less than 0.1 percent were of mixed national origin.

This summary report includes the distribution of residues by pesticide. The full results for more than 2.8 million analyses, representing each pesticide monitored on each commodity, are too numerous to be included in their entirety in this summary. The complete PDP database file for 2024 along with annual summaries and database files for previous years are available on the PDP website at www.ams.usda.gov/pdp or by contacting MPD at amsmpo.data@usda.gov. PDP data are also available using the online PDP database search tool that can be accessed at apps.ams.usda.gov/pdp.

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To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at [How to File a Program Discrimination Complaint](https://www.usda.gov/how-to-file-a-program-discrimination-complaint) and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov.

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Acronyms and Abbreviations

% C.V.	Percent Coefficient of Variation
A2LA	American Association for Laboratory Accreditation
AL	Action Level
AMS	Agricultural Marketing Service
BQL	Below Quantifiable Level
CFR	Code of Federal Regulations
CSV	Comma-Separated Values
EPA	U.S. Environmental Protection Agency
e-SIF	Electronic Sample Information Form
FAPAS	Food Analysis Performance Assessment Scheme
FAS	Foreign Agricultural Service
FDA	U.S. Food and Drug Administration
FQPA	Food Quality Protection Act
FSIS	Food Safety and Inspection Service
GC	Gas Chromatography
HCB	Hexachlorobenzene
ISO	International Organization for Standardization
LC	Liquid Chromatography
LOD	Limit of Detection
LOQ	Limit of Quantitation
MPD	Monitoring Programs Division
MRL	Maximum Residue Limit
MRM	Multiresidue Method
MS	Mass Spectrometry
NASS	National Agricultural Statistics Service
NRP	National Residue Program

PDP	Pesticide Data Program
POP	Persistent Organic Pollutants
PPS	Probability Proportionate-to-Size
PT	Proficiency Testing
PTV	Presumptive Tolerance Violation
QA	Quality Assurance
QAU	Quality Assurance Unit
QuEChERS	Quick, Easy, Cheap, Effective, Rugged and Safe
QC	Quality Control
RDE	Remote Data Entry
SIF	Sample Information Form
SOP	Standard Operating Procedure
SQL	Structured Query Language
TAG	Technical Advisory Group
USDA	United States Department of Agriculture
WHO	World Health Organization

Pesticide Data Program (PDP) Annual Summary, Calendar Year 2024

This summary consists of the following sections: (I.) Introduction, (II.) Sampling Operations, (III.) Laboratory Operations, (IV.) Database Management, and (V.) Sample Results and Discussion.

I. Introduction

In 1991, the U.S. Department of Agriculture's (USDA's) Agricultural Marketing Service (AMS) initiated the Pesticide Data Program (PDP), with the mission of collecting data on pesticide residues in food. In 1996, the passage of the Food Quality Protection Act (FQPA) directed the Secretary of Agriculture to collect pesticide residue data on commodities most frequently consumed by infants and children. PDP data are used by the U.S. Environmental Protection Agency (EPA) to assess dietary exposure during the review of the safety of existing pesticide tolerances (also referred to as maximum residue limits or MRLs). EPA establishes tolerances via a risk assessment approach that considers the following:

- pesticide exposure through diet and drinking water and from uses in and around the home;
- cumulative exposure to two or more pesticides that cause a common toxic effect via a shared mechanism of toxicity;
- the possibility of increased susceptibility among infants and children or other sensitive populations to exposure to the pesticide; and
- the possibility that the pesticide produces an effect in people similar to an effect produced by a naturally occurring estrogen or produces other endocrine disruption.

PDP data are used by the U.S. Food and Drug Administration (FDA) to assist in planning commodity surveys for pesticide residues as a part of its enforcement and regulatory programs. PDP data are also used across various USDA programs in support of U.S. agricultural production.

Because PDP collects data on food commodities primarily for consumer exposure assessment, program operations differ markedly from those followed by regulatory monitoring programs for tolerance enforcement. Commodities chosen for inclusion in the program are based on EPA data needs. PDP samples are collected closer to the point of consumption and are prepared emulating consumer practices (e.g., washing, peeling). PDP sampling does not impede commodity distribution. Laboratory operations are optimized to achieve detection of low residue levels, rather than quick sample turnaround. As PDP data are used in dietary risk assessment, the program prioritizes testing for pesticides with registered uses for the commodities in the program, as well as for pesticides that may not have U.S. tolerances but are used in other countries on commodities that are imported to the United States.

Primary contributors to the PDP's policy development and planning of operations include participating States, other government agencies, and program stakeholders, while primary data users include EPA, FDA, and a wide range of other agencies and groups. Federal, State, and foreign government agencies and industries have used PDP data to promote the export of U.S. commodities to international markets. Additionally, PDP methodologies are consistent with international guidelines that have been adopted by the Codex Committee on Pesticide Residues for good laboratory practices (CAC/GL 40-1993) and performance criteria for methods of analysis (CXG 90-2017). PDP monitoring data are also incorporated into the World Health Organization's (WHO's) Global Environment Monitoring System - Food Contamination Monitoring and Assessment Programme, a data platform used by the Joint Food and Agriculture Organization of the United Nations/WHO Meeting on Pesticide Residues to evaluate dietary exposure and recommend the establishment of pesticide MRLs to the Codex Committee on Pesticide Residues.

PDP Policy and Planning Activities are Supported by:

Environmental Protection Agency
Food and Drug Administration
Participating States
Industry and Grower Groups
USDA National Agricultural Statistics Service

PDP Data are used by:

Environmental Protection Agency
Food and Drug Administration
Participating States
Academic Institutions
Agricultural Industry
Other Government Agencies
USDA Economic Research Service
USDA Foreign Agricultural Service
USDA Office of Pest Management Policy
Chemical Manufacturers, Environmental
Interest Groups, Food Safety Organizations





Figure 1. Program Participants.

During 2024, USDA's Agricultural Marketing Service established cooperative agreements with nine States to sample and/or test Pesticide Data Program commodities: Washington, California, Colorado, Texas, Michigan, Ohio, New York, Maryland, and Florida. These States are the major U.S. producers of fruit and vegetables, together representing about 50 percent of the Nation's population and all four census regions of the United States.

In 2024, sampling services were provided by nine participating States: California, Colorado, Florida, Maryland, Michigan, New York, Ohio, Texas, and Washington (see figure 1). Together, these States represent nearly 50 percent of the Nation's population and all four census regions of the United States. They also represent major U.S. producers of fruit and vegetables. Laboratory services were provided by the States of California, Florida, Michigan, New York, Ohio, Texas, and Washington.

The AMS Monitoring Programs Division (MPD) is responsible for overall management of PDP, including cooperative agreements with the States, sampling and laboratory testing approaches, and data management and analysis. Each year, MPD works closely with EPA and FDA to select commodities and pesticides for testing. Commodities and pesticides are prioritized by MPD based on EPA and/or FDA data needs. Typically, the selected commodities represent the highest U.S. consumption rates, with an emphasis on foods consumed by infants and children. Due to budget limitations, the high-consumption commodities are cycled through the program approximately every 5 years rather than tested continuously. Specialized commodities (e.g., fresh herbs) are added to the rotation as data are needed. Fresh fruit and vegetable commodities typically remain in the program for 2 years to consider two full growing seasons, thereby capturing changes due to seasonality or year-to-year variations. Processed

products, as well as dairy, fish, nuts, and grains, are typically tested for 1 full year. All commodity rotations are provided in the PDP Program Plans prior to the start of sampling and are shown in table 1 for 2024. A total of 135 commodities have been tested by PDP from the beginning of the program (in 1991) through 2025 (appendix A).¹

Fruit and vegetable samples are collected at terminal and wholesale markets² and distribution centers from which food commodities are supplied to supermarkets and grocery stores. Sampling at these locations allows for residue measurements that include pesticides applied during crop production, and those applied after harvest (such as fungicides, growth regulators, and sprouting inhibitors), while also accounting for residue degradation during the time food commodities are in storage. Participation as a PDP sampling site is voluntary, which sets it apart from State and Federal enforcement programs. In 2024, 518 sites granted access and provided information, including site volume data, to sample collectors. Voluntary cooperation is important to PDP and makes it possible to adjust sampling protocols in response to fluctuations in food distribution and production.

Pesticides prioritized for screening by the PDP include those with current registered uses for the commodity being tested and compounds for which toxicity data and preliminary estimates of dietary exposure indicate the need for more extensive, or updated, residue data. PDP may also monitor pesticides for which EPA has modified use directions (i.e., reduced application rates or frequency) as part of risk management activities. In addition, PDP tests for selected pesticides that may not have U.S. tolerances but are used in other countries that export commodities to the United States. Appendix B lists specific pesticides tested in fruits and vegetables, while appendix C details the residues tested for in almonds and appendix D details residues tested for in salmon. Environmental contaminants, or pesticides whose uses have been canceled in the United States, but whose residues persist in the environment, are consolidated into appendix E, which summarizes findings for these chemicals across all commodities.

II. Sampling Operations

A. Conceptual Framework

The goal of the PDP sampling program is to obtain a statistically valid representation of the U.S. food supply. PDP data reflect actual pesticide residue exposure from food. Using a rigorous statistical design, PDP has developed extensive procedures that ensure samples are randomly selected from the national food distribution system and reflect what is typically available to the consumer throughout the year across the U.S.

Nine States currently participate in PDP—California, Colorado, Florida, Maryland, Michigan, New York, Ohio, Texas, and Washington. The initial participating States in 1991 (California, Florida, Michigan, New York, Texas, and Washington) were selected based on agricultural production, analytical capabilities, population, and regional/geographic distribution with all four U.S. Census Regions (West, South, Midwest, and Northeast) represented. Later, in 1993, Colorado joined to represent the Mountain Division of the Western Region and Ohio to further represent the densely populated East North Central Division of the Midwest Region. Maryland was added in 1997 to represent the South Atlantic Division of the Southern Region. Today, these States together represent about 50 percent of the Nation's population and all four census regions of the United States.

Commodities chosen for inclusion in the program are based on EPA data needs. Foods selected for testing are high-consumption items with a strong focus on the foods that compose the diets of infants and children. Each fresh commodity is typically sampled and tested for 2 years to capture annual and seasonal variability. High-consumption items are typically rotated in and out of the program every 5 years; for example, apples, lettuce, and oranges are retested and the data refreshed every 5 years. PDP resamples commodities because residues

¹ The U.S. National Residue Program (NRP) administered by the U.S. Department of Agriculture's (USDA's) Food Safety and Inspection Service (FSIS) monitors pesticide residues for meat, poultry, and egg products.

² Terminal markets are facilities where wholesalers receive large quantities of fresh fruit and vegetables by rail, truck, and air from around the world for sale to grocers, restaurants, institutions, and other businesses. Terminal markets are often located in metropolitan areas at or near major transportation hubs.

found in food can change over time, particularly as new pesticides are registered and come on the market. These updated data are important for use in dietary exposure and risk assessments.

PDP targets a minimum of 600 samples per commodity per year in order to provide an accurate statistical representation for a given commodity. PDP collects additional samples to allow apportionment among the participating States over a 12-month period and to allow for a small sample overage for any missed, damaged, or unusable samples. Participating State population figures are used to apportion the number of samples scheduled for collection by each State (for more detail, see the “2024 Sampling Operations” later in this section). PDP sampling operations may be adjusted according to product availability. For example, plums and peaches may be oversampled during the summer months to make up for low availability during winter months. In some cases, frozen product is allowed as an alternative to fresh when the fresh commodity is not available (e.g., blackberries).

PDP samples are collected at terminal markets and warehouse distribution centers, close to the point of consumption. Participating State agencies compile and maintain lists of these sampling sites. In 2024, 518 sites granted access to sample collectors. The States provide AMS and USDA’s National Agricultural Statistics Service (NASS) with annual volume information for commodities distributed at these sites. Based on this information, sites are assigned volume indicators compared to other sites in the same State. This volume indicator is used to ensure larger sites are selected more frequently than smaller sites. This information is used to weigh the site to determine the probability for sample selection. For example, a weight of 10 may be given to a site that distributes 100,000 pounds of produce annually and a weight of 1 is given to a site that distributes 10,000 pounds. This site selection method, termed probability proportional to size (PPS), then results in the larger site being 10 times more likely to be selected for sampling than the smaller site.

Each participating State works with NASS to develop statistical procedures for site weighting and selection. States are also given the option to have NASS perform their quarterly site selection. The number of sampling sites and the volume of produce distributed by the sites vary greatly among States. Sampling plans that include sampling dates, sampling sites, targeted commodities, and testing laboratories are prepared by each State on a quarterly basis. Collection of commodities is randomly assigned to weeks of the month, prior to selection of specific sampling dates within a week. Sample information is captured at the time of collection for inclusion in the PDP database.

Onsite Reviews: MPD staff chemists perform onsite reviews of sampling operations to determine compliance with PDP standard operating procedures (SOPs). Improvements in sampling, packing, chain of custody, and electronic data transmission procedures are made as a result of onsite reviews.

B. Sampling Procedures

At the sampling site, PDP sample collectors select a random sample of the scheduled commodity. Collectors use established procedures to prevent cross-contamination and maintain chain of custody. PDP State sample collectors are trained to adhere to detailed program SOPs that provide criteria for site selection and specific instructions for sample selection, shipping and handling, and chain of custody. SOPs are updated as needed and serve as a technical reference in conducting program sampling reviews to ensure program goals and objectives are met. PDP sampling SOPs can be accessed at www.ams.usda.gov/datasets/pdp/pdp-standard-operating-procedures. On a quarterly basis, sample collectors are provided with Commodity Fact Sheets that list specific collection details for the individual commodities in the program.

Temperature-sensitive samples are packed in temperature-controlled containers for shipment to the laboratory. Holding temperatures are preserved throughout transit time with the inclusion of ample frozen cold packs and insulating materials. Samples that do not require temperature control are shipped in well-cushioned containers. To preserve sample integrity, most samples are shipped the same day by overnight delivery. Nonperishable processed commodities such as almonds are often shipped by ground transportation to reduce shipping costs.

Electronic Sample Information Forms (e-SIFs) are used to capture sample information and to maintain chain of custody. Sample collectors use phones, tablets, or laptop computers to record sample identification information such as: (1) State of sample collection, (2) collection date, (3) sampling site code, (4) commodity code, (5) testing laboratory code, and (6) optional sample source identification code. Information from these six data elements is combined to form a unique PDP identification number for each sample.

Other available information about each sample is also recorded: collector name; the country of origin; product variety; production claims such as organic; expiration date; and grower, packer, and/or distributor locations. The e-SIFs are sent electronically the same day as sample collection or, at the latest, by the next morning after collection to ensure that sample information is received at each laboratory by the time samples arrive for analysis. Refer to section IV “Database Management” for more information on the e-SIF system.

Because most PDP samples are collected at distribution centers, terminal markets, and other wholesalers, entire cases must be obtained while a significantly smaller portion is sent to the laboratory for testing. For example, if a 20-pound case of apples is collected, only a 5-pound sample is sent for testing, per the SOP. The remaining 15 pounds would typically be donated. In most cases, the excess samples are donated to organizations such as local food banks, churches, and other charities. PDP often provides the only fresh commodity donations available to these organizations. In 2024, PDP State participants donated approximately 64,000 pounds of food to local charities.

C. 2024 Sampling Operations

The number of fruit, vegetable, almond, and salmon samples collected in each participating State is determined by State population. The monthly collection schedule for all 2024 commodities is shown in table 1.

The total number of samples collected in each State for each commodity is listed in table 2. Table 3 lists the acceptable product types for each collected commodity as seen on Commodity Fact Sheets provided to sample collectors. For all commodities, various types of products - domestic or imported, organically grown or conventionally grown - are acceptable. In 2024, 6.3 percent of the tested fruit, vegetable, almond, and salmon samples were organic (620 of 9,872). A summary report of findings by claim or origin may be found by using the online PDP Database search tool at apps.ams.usda.gov/pdp.

State population figures are used to assign the number of fruit, vegetable, almond, and salmon samples scheduled for collection each month. During 2024, the monthly number of samples assigned for each State included: California, 13; Colorado, 2; Florida, 7; Maryland, 4; Michigan, 6; New York, 9; Ohio, 6; Texas, 8; and Washington, 4. This schedule resulted in a monthly target of 59 samples per commodity or 708 samples per commodity per year.

In 2024, fruit, vegetable, almond, and salmon samples were randomly collected by trained State inspectors at terminal markets and large chain store distribution centers throughout the country. Surrogate or “proxy” sites (retail markets) are used to collect these samples when the commodity of interest is unavailable at a terminal market or distribution center. In these instances, the commodity is selected in the rear storage area of the retail facility to eliminate possible contamination by the consumer and to capture sample information from product boxes. In 2024, 26.1 percent of fresh and processed samples were collected at proxy sites. The commodities most often collected at these facilities were almonds, frozen blackberries, frozen sweet corn, frozen pineapple, canned pumpkin and salmon.

The total number of samples per commodity and the percentage of each that were either domestic, imported, or of unknown origin are shown in figure 2. The origin of some fresh commodities can vary greatly throughout the year. An example of variation in sample origin can be found in figure 3, where differences in origin (domestic versus import) are depicted by month for blackberry and orange samples.

Fresh and processed fruit, vegetable, almond, and salmon samples originated from 37 States and 25 foreign countries (refer to appendix F).

Commodity	Jan–Mar	Apr–Jun	Jul–Sep	Oct–Dec	End Date
Almonds					Sep-24
Apples					Jun-25
Avocado					Sep-25
Blackberries, Fresh					Jun-25
Blackberries, Frozen					Jun-25
Cherry Tomatoes					Mar-26
Cucumbers					Dec-25
Fish, Salmon					Sep-25
Lettuce, Head					Dec-25
Lettuce, Leaf					Dec-25
Onions					Sep-25
Oranges					Dec-25
Pineapple, Fresh					Dec-25
Pineapple, Frozen					Dec-25
Potatoes					Mar-24
Pumpkin, Canned					Dec-24
Sweet Corn, Fresh					Sep-25
Sweet Corn, Frozen					Sep-25
Tomatillos					Sep-25

Table 1. Pesticide Data Program (PDP) Commodity Collection Schedule for 2024.

Samples are most often collected for a 2-year time period. Commodities are initiated or terminated in different quarters of the year so that new commodities are not brought into the program all at the same time. This table illustrates time ranges for the listed commodities. See appendix A for the complete PDP commodity history (May 1991 through December 2025).

D. Fresh and Processed Commodities

Of all samples collected and analyzed in 2024, 93 percent (9,165 of 9,872) were fruit and vegetables, including fresh and processed products. The fresh commodities collected for PDP were apples, avocados, blackberries, cherry tomatoes, cucumbers, head lettuce, leaf lettuce, onions, oranges, pineapples, potatoes, sweet corn, and tomatillos. The processed commodities included frozen blackberries, frozen pineapple, canned pumpkin, and frozen sweet corn.

Fresh and frozen fruit and vegetable samples weighed either 3 or 5 pounds, except for blackberries, cherry tomatoes, frozen pineapple, and sweet corn. Three pounds were collected for smaller, low-weight commodities such as onions and tomatillos, and 5 pounds were collected for larger, high-weight commodities such as apples and potatoes. Blackberries had a sample size of 1 pound for both fresh and frozen samples. Cherry tomatoes had a sample size of 1 dry US pint. A sample size of 28 ounces was collected for canned pumpkin. Frozen pineapple had a sample size of 1 pound. Sweet corn had a sample size of 10 ears for fresh samples and 3 pounds for frozen samples.

E. Almonds

In 2024, PDP collected and analyzed 531 almond samples. Samples were collected from routine PDP sampling sites, which included major distribution centers and terminal markets, as well as proxy sites. The sample size for almonds was 1 pound. Analysis was performed by the Washington laboratory.

State	AP	AV	BK	CB	CT	CU	LH	LL	OG	ON	PN	PO	TT	Total Fresh
California	152	156	151	135	117	156	156	156	156	156	138	39	143	1,811
Colorado	24	24	22	19	18	24	24	24	24	24	24	6	24	281
Florida	84	84	77	76	63	84	84	84	84	84	66	21	84	975
Maryland	48	48	48	48	36	48	48	48	48	48	48	12	48	576
Michigan	72	72	70	54	54	72	72	72	72	72	67	18	72	839
New York	108	106	108	88	79	108	107	106	108	108	104	27	99	1,256
Ohio	72	72	65	49	54	72	72	72	72	72	66	18	72	828
Texas	96	96	95	94	72	96	96	96	96	96	95	24	88	1,140
Washington	48	48	49	44	36	48	49	48	49	48	48	12	49	576
TOTAL	704	706	685	607	529	708	708	706	709	708	656	177	679	8,282

State	CS	KZ	NZ	PK	Total Processed	Total Fresh & Processed F&V	Nuts AL	Fish FS
California	21	5	18	156	200	2,011	117	39
Colorado	5	2		24	31	312	18	6
Florida	8	7	18	84	117	1,092	63	21
Maryland				48	48	624	36	12
Michigan	18	2	5	72	97	936	54	18
New York	20		4	108	132	1,388	81	27
Ohio	23	7	6	72	108	936	54	18
Texas	2	1	1	95	99	1,239	72	24
Washington	4			47	51	627	36	11
TOTAL	101	24	52	706	883	9,165	531	176

Commodity Legend	
AL = Almonds	LH = Lettuce, Head
AP = Apples	LL = Lettuce, Leaf
AV = Avocado	NZ = Pineapple, Frozen
BK = Blackberries, Fresh	ON = Onions
CB = Sweet Corn, Fresh	OG = Oranges
CS = Sweet Corn, Frozen	PK = Pumpkin, Canned
CT = Cherry Tomatoes	PN = Pineapple, Fresh
CU = Cucumbers	PO = Potatoes
FS = Fish, Salmon	TT = Tomatillos
KZ = Blackberries, Frozen	

Table 2. Distribution of Samples Collected by Each Participating State.

This table includes those commodities collected at terminal markets, distribution centers, and retail markets.

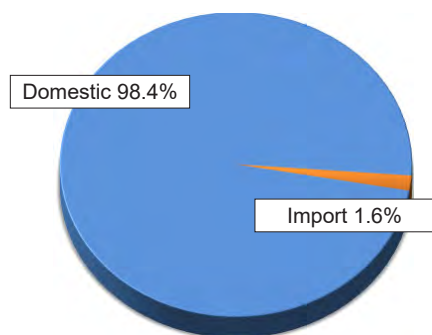
Commodity	Acceptable Products
Almonds	Whole, raw, shelled, natural almonds. Sliced natural almonds (unblanched). Almonds are acceptable in any type of container. Sample size: 1 pound.
Apples	All fresh, whole apples. Sample size: 5 pounds.
Avocado	Fresh, whole avocado. Sample size: 5 pounds.
Blackberries, Fresh	Any fresh, whole blackberry. Fresh are preferred, but frozen are acceptable. Sample size: 1 pound.
Blackberries, Frozen	Frozen blackberries. Individually quick frozen (IQF) or frozen in own juices. Fresh are preferred but frozen are acceptable when fresh are not available. Sample size: 1 pound.
Cherry Tomatoes	Any fresh whole cherry or grape tomato; red, orange, yellow, or mixed color. Sample size: 1 dry US pint (about 312 grams or 11 ounces).
Cucumbers	Fresh cucumbers. Common, English, Persian, burpless, garden, hothouse, seedless, or Japanese. Sample size: 5 pounds.
Fish, Salmon	Fresh/Frozen, raw (uncooked) salmon. Fillets, nuggets, strips, or steaks. Bones-in or no bones. Atlantic or Pacific. Farm-raised or wild. Fresh are preferred, but frozen are acceptable. Note: Farmed salmon may contain the color additive astaxanthin; this is an acceptable ingredient. For frozen product, salt and sodium tripolyphosphate added to retain moisture are also acceptable ingredients. Sample size: 1 pound (16 ounces).
Lettuce, Head	Fresh head lettuce (i.e., Iceberg lettuce). Wrapped or unwrapped. Sample size: 5 pounds.
Lettuce, Leaf	Fresh leaf lettuce (wrapped or unwrapped); Romaine lettuce, green or red leaf lettuce, Bibb lettuce, coral lettuce, frisée, and oakleaf lettuce. Sample size: 5 pounds.
Onions	Any fresh, whole bulb onion. Yellow, white, or red. Sweet or mild. Sample size: 3 pounds.
Oranges	Any, fresh whole orange. Sample size: 5 pounds.
Pineapple, Fresh	Fresh, whole pineapple. Note: Sample collectors should not remove crown. Fresh are preferred, but frozen are acceptable. Sample size: 5 pounds; minimum of 2 units.
Pineapple, Frozen	Frozen pineapple; whole, halved, sliced, chunked, or cut. Individually quick frozen (IQF) or frozen in own juices. Fresh are preferred but frozen are acceptable when fresh are not available. Sample size: 3 pounds.
Potatoes	Fresh whole potatoes (Russet, White, Yellow, and Red). No individual size requirements (U.S. No.1 or U.S. No.1 size A are the preferred sizes because they are the most widely consumed). Sample size: 5 pounds.
Pumpkin, Canned	Canned pumpkin (puree). Sample size: Minimum of 28 ounces.
Sweet Corn, Fresh	Fresh corn-on-the-cob, with or without husks (samplers should not remove husks). Fresh on-the-cob corn is preferred, but frozen corn is acceptable when fresh is not available. Sample size: 10 ears.
Sweet Corn, Frozen	Frozen bagged niblet-style corn; white kernels, yellow kernels, or a mixture ("bi-color" or "bread & butter"). Frozen corn-on-the-cob. Fresh is preferred but frozen is acceptable when fresh is not available. Sample size: 10 ears or equivalent (i.e., 20 mini-ears) for frozen corn-on-the-cob; 3 pounds (48 ounces) for niblet-style corn.
Tomatillos	Fresh, whole green tomatillos. Note: Samplers should not remove husks. Sample size: 3 pounds.

Table 3. Acceptable Products for Collected Commodities.

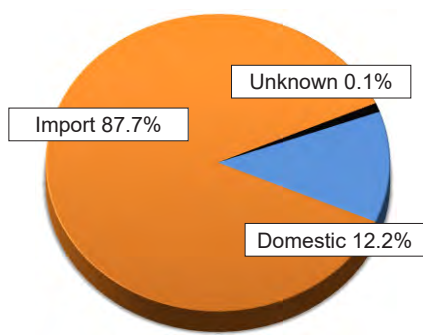
This table lists the acceptable products for each collected commodity as seen on the Commodity Fact Sheets provided to sample collectors. For all commodities, domestic or imported and organic or conventionally grown products are acceptable.

A. Fresh Fruit and Vegetable Samples

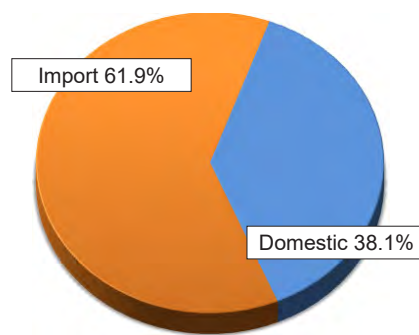
Apples (704 Samples)



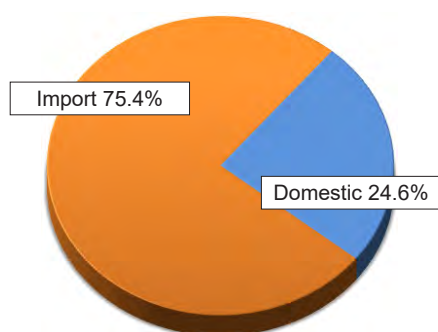
Avocados (706 Samples)



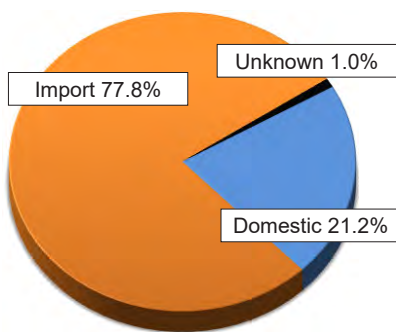
Blackberries (685 Samples)



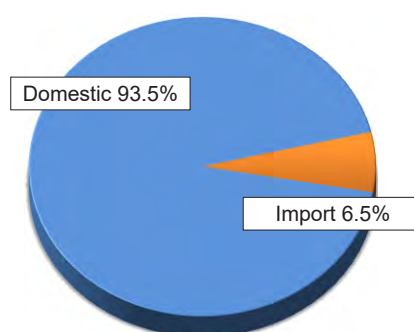
Cherry Tomatoes (529 Samples)



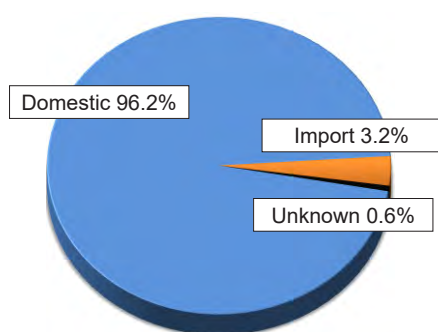
Cucumbers (708 Samples)



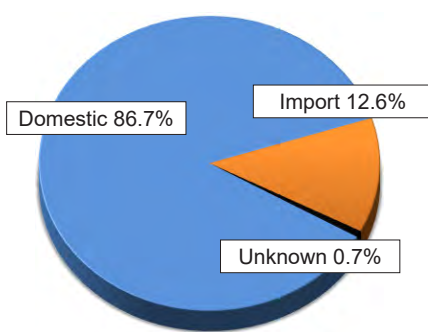
Lettuce, Head (708 Samples)



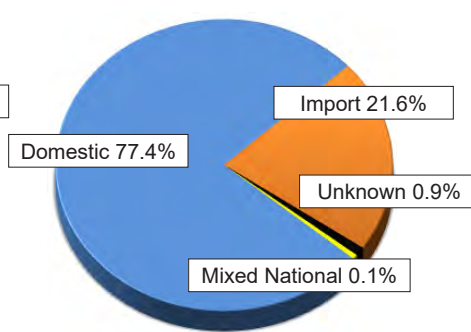
Lettuce, Leaf (706 Samples)



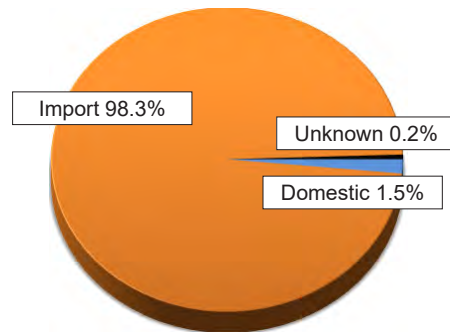
Onions (708 Samples)



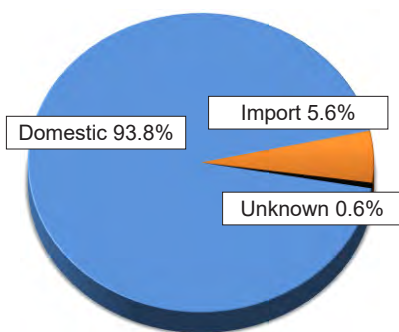
Oranges (709 Samples)



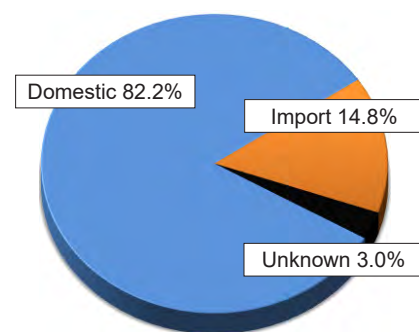
Pineapple (656 Samples)

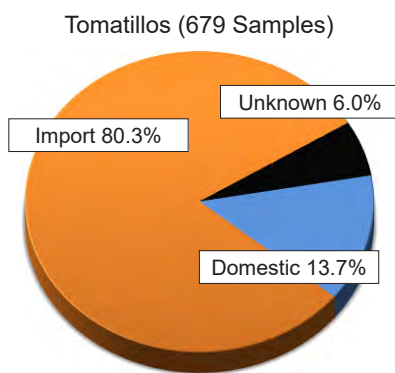


Potatoes (177 Samples)



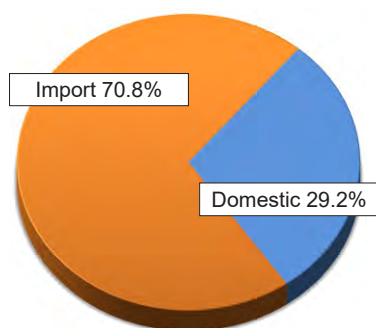
Sweet Corn (607 Samples)



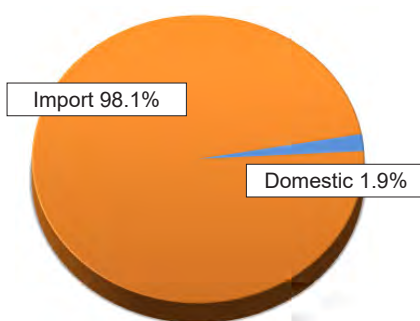


B. Processed Fruit and Vegetable Commodities

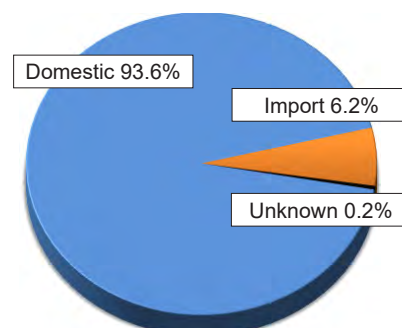
Blackberries, Frozen (24 Samples)



Pineapple, Frozen (52 Samples)



Pumpkin, Canned (706 Samples)



Sweet Corn, Frozen (101 Samples)

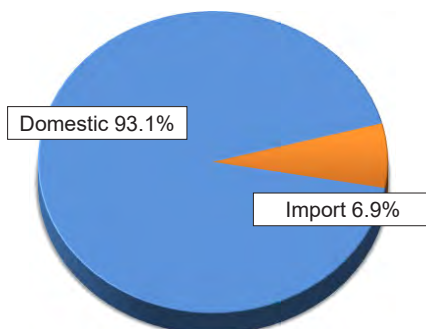


Figure 2. Commodity Origin.

This figure depicts the proportion of commodity origin (domestic, imported, unknown, and mixed national origin) for each fresh and processed fruit and vegetable product tested in 2024.

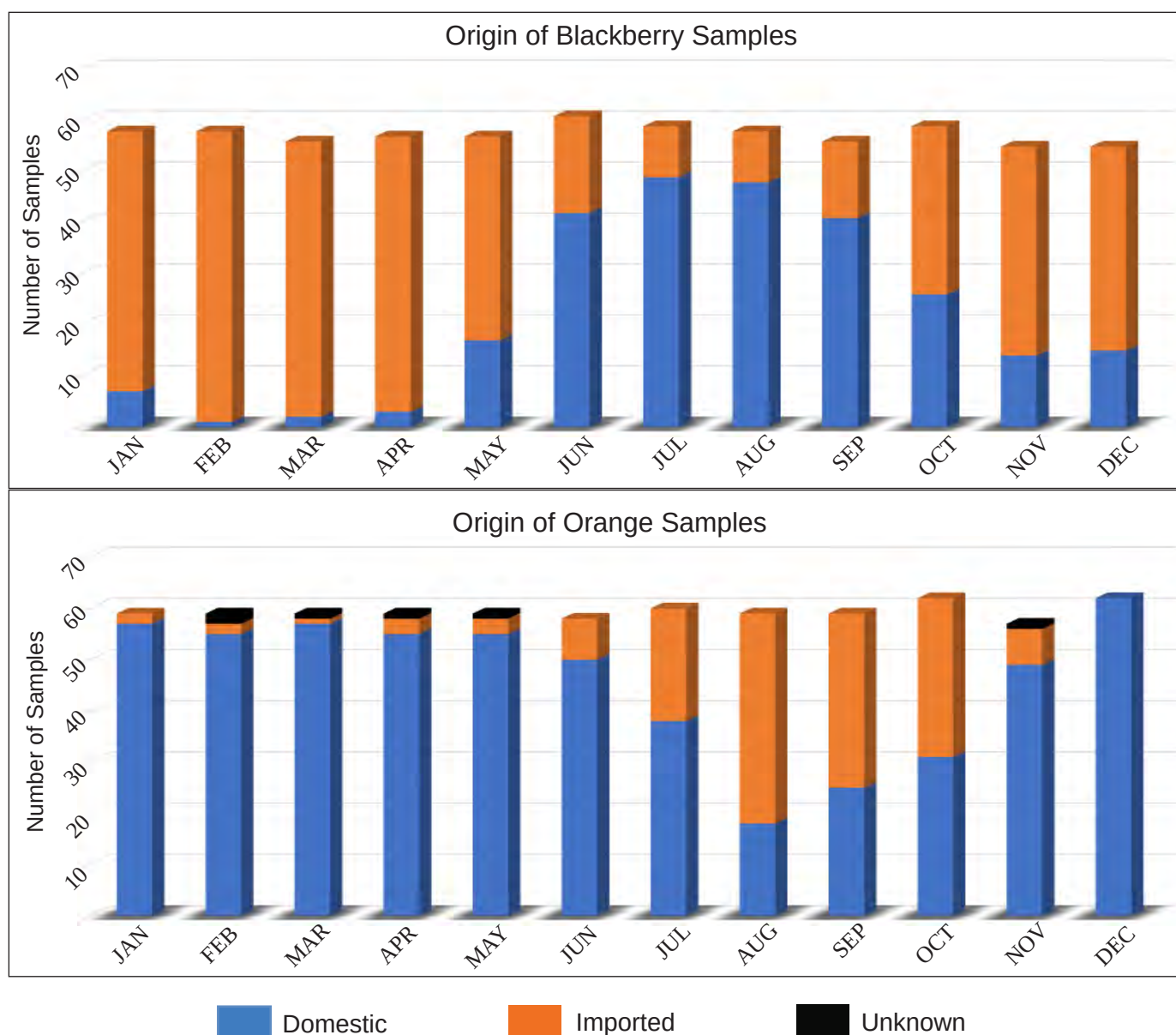


Figure 3. Origin of Selected Fresh Commodities: Blackberry and Orange Samples.

Differences in origin (domestic vs. imported) are illustrated by month.

F. Salmon

In 2024, PDP collected and analyzed 176 salmon samples. Samples were collected from routine PDP sampling sites, which included major distribution centers and terminal markets, as well as fish markets and proxy sites. The sample size for salmon was 1 pound. Analysis was performed by the Washington laboratory.

G. Sampling Limitations

Nine States from all four census regions of the United States participate in PDP. The States that participate account for about 50 percent of the U.S. population and the major agricultural production areas of the country, making them generally representative of the United States as a whole.

In 2024, PDP was granted access to 518 distribution centers, terminal markets, and wholesale/retail markets within the participating States. The total number of distribution centers, terminal markets, and wholesale/retail markets within the participating States is difficult to establish since existing sites may go out of business or merge and new sites may open during the year. However, there is no evidence to believe that sites within the States that participate differ significantly from those that do not participate. Since these sites are similar throughout the State, they are representative of all sites in the State.

Sometimes it is necessary to replace the site that was originally selected using PPS. In those cases, an alternate site is selected from the master site list by the State personnel to replace the original site. Whenever possible, a site of similar size in the same region as the original site is chosen as the replacement. Additionally, the availability of a specific commodity may necessitate a change in site selection. For example, plums may be collected from an alternate site if the primary site is out of stock.

III. Laboratory Operations

A. Overview

Seven State laboratories performed analyses for PDP. These laboratories are equipped with instrumentation capable of detecting residues at very low levels. Laboratory staff members receive intensive training and must demonstrate analytical proficiency on an ongoing basis. Laboratory scientists continually test new technologies and develop new techniques to improve the levels of detection. Any major change in methodology and instrumentation is evaluated, and its soundness demonstrated and documented by means of method validation modules in accordance with PDP SOPs.

B. Fresh and Processed Commodities

A total of 9,165 fresh and processed fruit and vegetable samples were tested for 597 parent pesticides, metabolites, degradates, and/or isomers, plus 21 environmental contaminants using Multiresidue Methods (MRMs). Pesticides prioritized for screening by PDP include those with current registered uses for the commodity being tested and compounds for which toxicity data and preliminary estimates of dietary exposure indicate the need for more extensive residue data.

Upon arrival at the testing laboratory, samples of fresh commodities were visually examined for acceptability and discarded if determined to be inedible (decayed, extensively bruised, or spoiled). Laboratories are permitted to refrigerate incoming fresh fruit and vegetable samples of the same commodity up to 72 hours to allow for different sample arrival times from collection sites. Frozen and canned commodities may be held in storage (freezer or shelf) longer per the PDP Laboratory Sample Processing and Analysis (LABOP) SOP.

Each sample is prepared according to the procedures detailed in table 4, which lists the steps for preparing each commodity for analysis as defined in the PDP LABOP SOP. For all commodities, the sample is chopped, mixed, or blended until a visually homogeneous mixture is attained. Additionally, due to the widespread use of chlorpropham in potatoes, combined with the high concentrations present and the chemical nature of the compound, care was taken to prevent laboratory cross-contamination. If multiple commodities are being processed, the potatoes are held for last. All equipment, including cutting boards, knives, bowls, etc., is solvent-washed after potato contact. The use of separate grinding bowls was also recommended.

Samples are separated into analytical portions (aliquots) for analysis. If testing cannot be performed immediately, the entire analytical set is frozen at -40 °C or lower, according to PDP's Quality Assurance/Quality Control (QA/QC) requirements. Surplus aliquots not used for the initial testing are retained frozen in case replication of analysis or verification testing is required.

Commodity	Sample Preparation Steps
Almonds	Grind the entire sample using an appropriate device (e.g., centrifugal mill, Wiley mill, etc.) just until a visually homogeneous mixture is attained.
Apples	Wash and drain. Do not peel. Remove the stem, if present. With a commercially available apple corer, remove core. Alternatively, use a clean, dry knife to cut each apple in half or quarters and remove the core portion.
Avocado	If necessary, avocado samples may be stored in a secure location at room temperature for 72 hours for ripening purposes. Wash and drain. Using a clean, dry knife, cut the avocado around the pit (i.e., without cutting through the pit). Remove the pit and skin, being careful to keep as much of the meat as possible. If avocado samples are too unripe for proper preparation, additional hours at room temperature to ripen are permissible. However, the samples should be checked daily and processed as soon as they are ripe. Samples can be stored in paper bags to assist with ripening.
Blackberries, Fresh	Wash blackberries by the handful or by using a colander and drain.
Blackberries, Frozen	The samples may be chopped while frozen, or to prevent damage to the chopper/homogenizer blades, the sample may be thawed in a refrigerator. A room temperature water bath may be used only if the sample is enclosed in watertight packaging, so that the water does not contact the sample. Open the containers and pour the entire contents into the chopper/homogenizer.
Cherry Tomatoes	Wash and drain. Do not peel. Remove any present stems.
Cucumbers	Wash and drain. Cucumbers may be halved or quartered at this point to facilitate homogenization.
Fish, Salmon	Remove the skin, bones, and any liquid in the sampling bags and mechanically homogenize the entire submitted tissue sample until a visually homogeneous mixture is attained. The laboratory shall use its discretion in the utilization of dry ice during the homogenization procedure.
Lettuce, Head	Visually examine the head and remove wrapper and damaged or wilted leaves. Wash and drain.
Lettuce, Leaf	Visually examine the sample and remove only the damaged or wilted leaves and any woody stems. Wash and drain.
Onions	Using a clean knife, remove onion top, outer layer, first white layer and membrane, and any other inedible portions. Remove root portion last to minimize fumes. Preparation procedures may be performed with onions immersed in cold tap water with total immersion time for each unit not to exceed 10 minutes. Drain.
Oranges	Peel each fruit and remove any excess white membrane.
Pineapple, Fresh	Wash and drain. Remove the top of each pineapple. Using a clean, dry knife, cut in half and remove core and shell.
Pineapple, Frozen	The samples may be chopped while frozen, or to prevent damage to the chopper/homogenizer blades, the sample may be thawed in a refrigerator. A room temperature water bath may be used only if the sample is enclosed in watertight packaging, so that the water does not contact the sample. Open the containers and pour the entire contents into the chopper/homogenizer.
Potatoes	Hold each potato under cold running tap water and gently scrub the entire surface with a clean vegetable brush to remove any loose soil and grit. Wash and drain. If multiple commodities are being processed, the potatoes should be held for last to prevent chlorpropham cross-contamination. All equipment should be solvent-washed after potato contact. The use of separate grinding bowls is recommended.
Pumpkin, Canned	Rinse the lid under cold running tap water for 5 to 10 seconds. Dry the lid with a paper towel. Open each can and pour the entire contents including the liquid into a blender/homogenizer.
Sweet Corn, Fresh	Remove husk and silk from each ear. Wash and drain. Using a clean dry knife or other appropriate utensil, remove the kernels from the cob.
Sweet Corn, Frozen	The samples may be chopped while frozen or, to prevent damage to the chopper/homogenizer blades, the sample may be thawed in a refrigerator. A room temperature water bath may be used only if the sample is enclosed in watertight packaging, so that the water does not contact the sample. Remove the kernels from cob using a clean, dry knife or other appropriate utensil.
Tomatillos	Remove the husk, if present. After the husks are removed, wash to ensure that the sticky residue is removed and drain. Do not peel. Using a clean, dry knife, cut the tomatillo around the stem area. Remove any stem, being careful to remove as little of the meat as possible. The tomatillos may be quartered prior to homogenization.

Table 4. Sample Preparation Steps for Analysis.

This table lists the steps for preparing each collected commodity for analysis as defined in the Laboratory Standard Operating Procedure. The wash and drain steps refer to a wash under cold running water for approximately 15–20 seconds to ensure that all surfaces are rinsed, then a drain for at least 2 minutes. For all commodities, the sample is chopped, mixed, or blended until a visually homogeneous mixture is attained.

For analysis of fruit and vegetable samples, testing laboratories use various Quick, Easy, Cheap, Effective, Rugged and Safe (QuEChERS)-based approaches.³ All MRMs are determined, prior to use and through appropriate method validation procedures, to produce equivalent data for PDP analytical purposes. PDP laboratories use gas chromatography (GC) and liquid chromatography (LC) instrumentation, coupled with tandem mass spectrometry (MS/MS) detection systems for the simultaneous identification/confirmation and quantitation of pesticides. The GC-MS/MS and LC-MS/MS systems allow the program to capture data for a broad spectrum of pesticides, including emerging product chemistries.

C. Almonds

The Washington State Department of Agriculture (WSDA) Chemical & Hop Laboratory tested 531 samples of almonds (table 2). A total of 183 parent pesticides, metabolites, degradates, and/or isomers, plus 14 environmental contaminants were screened in almond samples. Samples were prepared according to the procedures detailed in table 4. Samples were extracted using a modification of the QuEChERS method and multiresidue analyses were performed using GC-MS/MS and LC-MS/MS.

D. Salmon

The Washington State Department of Agriculture (WSDA) Chemical & Hop Laboratory tested 176 samples of salmon (table 2). A total of 186 parent pesticides, metabolites, degradates, and/or isomers, plus 15 environmental contaminants were screened in salmon samples. Samples were prepared according to the procedures detailed in table 4. Samples were extracted using a modification of the QuEChERS method and multiresidue analyses were performed using GC-MS/MS and LC-MS/MS.

E. Quality Assurance Program

The primary objectives of the QA/QC program are to ensure the reliability of PDP data and the performance equivalency of the participating laboratories. Direction for the PDP QA program is provided through SOPs based on EPA Good Laboratory Practices, along with program-specific QA/QC requirements. The PDP SOPs provide uniform administrative and sampling procedures, as well as guidelines for laboratory operations and data analyses. The SOPs are revised annually to accommodate changes in the program and are aligned with International Organization for Standardization (ISO)⁴ requirements. PDP laboratories are accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA), an internationally recognized accrediting body.

A Technical Advisory Group (TAG) comprised of laboratory technical program managers and quality assurance officers is responsible for annually reviewing program SOPs and addressing QA issues. For day-to-day QA oversight, PDP relies on the Quality Assurance Unit (QAU) at each participating facility. The QAU operates independently from the laboratory staff and is responsible for reviewing all data generated for PDP and for performing quarterly internal program audits. Preliminary data review procedures are performed onsite by each laboratory's QAU. MPD staff conduct a final review of data for conformance with SOPs.

Method Performance Requirements: Laboratories are required to determine and verify the limits of detection (LODs) and limits of quantitation (LOQs) for each pesticide/commodity pair. LODs depend on matrix, analyte, and methods used (extraction and instrumental). LODs for each pesticide/commodity pair are shown in the applicable crop results appendix. Additional method performance/validation requirements include modules for consistent instrument response (linearity), method range, and precision and accuracy.

³ M. Anastassiades, S. J. Lehotay and F. J. Schenck, "Quick, Easy, Cheap, Effective, Rugged and Safe (QuEChERS) Method," J AOAC Int 86 (2003) 412.

⁴ "ISO" is not an acronym because the initials would be different in various official languages. "ISO" is adopted from the Greek word "isos" meaning equal.

Identification/Confirmation: Identification/confirmation is performed using mass spectrometry (MS) technology. Residue levels greater than or equal to the LOD and below the LOQ are reported as below quantifiable level (BQL). BQLs are assigned values at one-half the LOQ and are used along with values greater than or equal to LOQ and non-detects in dietary risk assessments when appropriate.

Routine Quality Control (QC) Procedures: PDP procedures for QC are used to assess method and analyst performance during sample preparation, extraction, and cleanup. To maximize sample output and decrease the QC-to-sample ratio, samples are analyzed in analytical sets that include the test samples and the following components:

- Reagent Blank - For analysis of fruit and vegetables, an amount of distilled water equivalent to the natural moisture content of the commodity is run through the entire analytical process to confirm glassware cleanliness and system integrity.
- Matrix Blank - A previously analyzed sample of the same commodity, which contains either very low concentrations of known residues or no detectable residues, is divided into two portions. The first portion is used to determine background information on naturally occurring chemicals and the second to prepare a positive control or matrix spike.
- Matrix Spike(s) - Prior to extraction, a portion of the matrix blank is spiked with marker pesticides to determine the precision and accuracy of the analyst and instrument performance. Marker pesticides are compounds selected from different pesticide classes (e.g., organochlorines, organophosphates, carbamates, conazoles, imidazolinones, macro-cyclic lactones, neonicotinoids, phenoxy acid herbicides, pyrethroids, strobilurins, sulfonyl urea herbicides, triazines, uracils), with physical and chemical characteristics representative of their corresponding pesticide class. Marker pesticides may be used to monitor recovery instead of spiking all pesticides. This use of marker pesticides optimizes the resources required to analyze the thousands of analyte/matrix combinations in the program while still allowing evaluation of daily recovery patterns.

In addition, each laboratory must perform matrix spikes at least quarterly for each analyte/crop combination it reports. Some laboratories choose to rotate spikes of all compounds on a set-by-set basis or spike all compounds analyzed with each set, so that the amount of spike recovery data obtained exceeds the minimum quarterly requirements previously stated. During 2024, PDP laboratories quantitated a total of 90,172 matrix spikes, with an overall mean recovery of 91.6 percent and an overall 17.7-percent coefficient of variation (percent C.V.). The percent C.V. is calculated as the standard deviation divided by the mean and then multiplied by 100.

- Process Control Spike - A compound with physical and chemical characteristics similar to those of the pesticides being tested is used to evaluate the analytical process on a sample-by-sample basis. Each of the analytical set components, except the reagent and matrix blanks, is spiked with process controls. During 2024, PDP laboratories quantitated a total of 20,798 process controls in 9,872 samples, with an overall mean recovery of 96.3 percent and an overall 15.7-percent C.V. Of these process controls, 15 (0.07 percent) were reruns due to initial failure to meet PDP recovery criteria. The rerun values are not included in these statistics.

Proficiency Testing: All facilities are required to participate in PDP's Proficiency Testing (PT) program. To properly benchmark performance, PDP laboratories participate in the international Food Analysis Performance Assessment Scheme (FAPAS), administered by the Food and Environment Research Agency, Sand Hutton, York, United Kingdom. In 2024, PDP laboratories participated in one FAPAS round for pineapple that contained 14 fortified analytes. Laboratories were evaluated based on z-scores for reported compounds, as well as any reported false negatives or false positives. PDP laboratories typically obtained z-scores in the range of +/-2, which is deemed satisfactory performance.

In addition, PDP laboratories participate in an internal PT program that is tailored to current PDP commodities and testing profiles. For this internal program, the California Department of Food and Agriculture QAU prepares and issues PT rounds designed in collaboration with MPD. Fortification levels of selected analytes are generally 1 to 10 times the program LOQ for that commodity/compound pair. For each multiresidue round, one compound per set is typically repeated within the round to provide an indicator of repeatability. The resulting data are used to determine performance equivalency among the testing laboratories and to evaluate individual laboratory performance.

During 2024, PDP laboratories received two multiresidue fruit and vegetable PT rounds (tomato and cucumber), each consisting of three test samples. The cucumber samples were fortified with a total of 12 different compounds, with carbofuran spiked on 2 different samples. The tomato samples were fortified with a total of 13 different compounds, with pyraclostrobin spiked on 2 different samples at the same level to evaluate intra-laboratory (within the same laboratory) and inter-laboratory (between different participating laboratories) variability. Laboratories were evaluated based on percent recovery for reported compounds, as well as any reported false negatives or false positives. PDP laboratories typically obtained recoveries within the range of 50–150 percent, which is acceptable performance under the PDP QC SOP.

Onsite Reviews: In addition to the onsite assessments performed by A2LA that are required to maintain ISO 17025 accreditation, MPD staff chemists perform onsite reviews of laboratory operations to determine compliance with PDP SOPs and provide a report of findings identifying potential areas of improvement. Improvements in sample receiving, chain of custody, laboratory, recordkeeping, and electronic data transmission procedures are made because of onsite reviews.

IV. Database Management

PDP maintains an electronic database that serves as a central data repository. The data captured and stored in the PDP database include sample collection and product information, residue findings and process control recoveries for each sample analyzed, along with QA/QC fortified recoveries for each set of samples. Each calendar-year survey is stored in a separate database structure, which allows easier administration and data reporting. The PDP data pathway is illustrated in figure 4.

A. Electronic Data Path

PDP utilizes the Remote Data Entry (RDE) application, which is a customized software tool that allows participating State and Federal laboratories to electronically enter and transmit data. The RDE application is distributed, with all user interface software and database files residing on laboratory computers. The laboratory users need only Microsoft® Office tools to interface with the RDE application. Access is controlled through separate user login/password accounts and user access rights for the various system functions based on position requirements. File encryption is used to secure all data stored in and transmitted from the RDE application via automated e-mails.

A separate mobile application allows sample collectors to capture the standardized Sample Information Form (SIF) electronically on phones, tablets, or laptops and then transmit the data files to USDA (see the e-SIF Application Spotlight later in this section). MPD staff retrieve the transmitted files for central processing and distribution to the analyzing laboratories for import into the RDE application.

MPD staff chemists review the submitted data from the laboratories using a customized data review tool and then mark the data as “ready for upload” to the central PDP database. A separate upload tool passes the data to the PDP database, which is maintained using Microsoft® SQL Server and Access database tools. Access to the central PDP database is limited to MPD personnel and is controlled through password protection and user access rights.

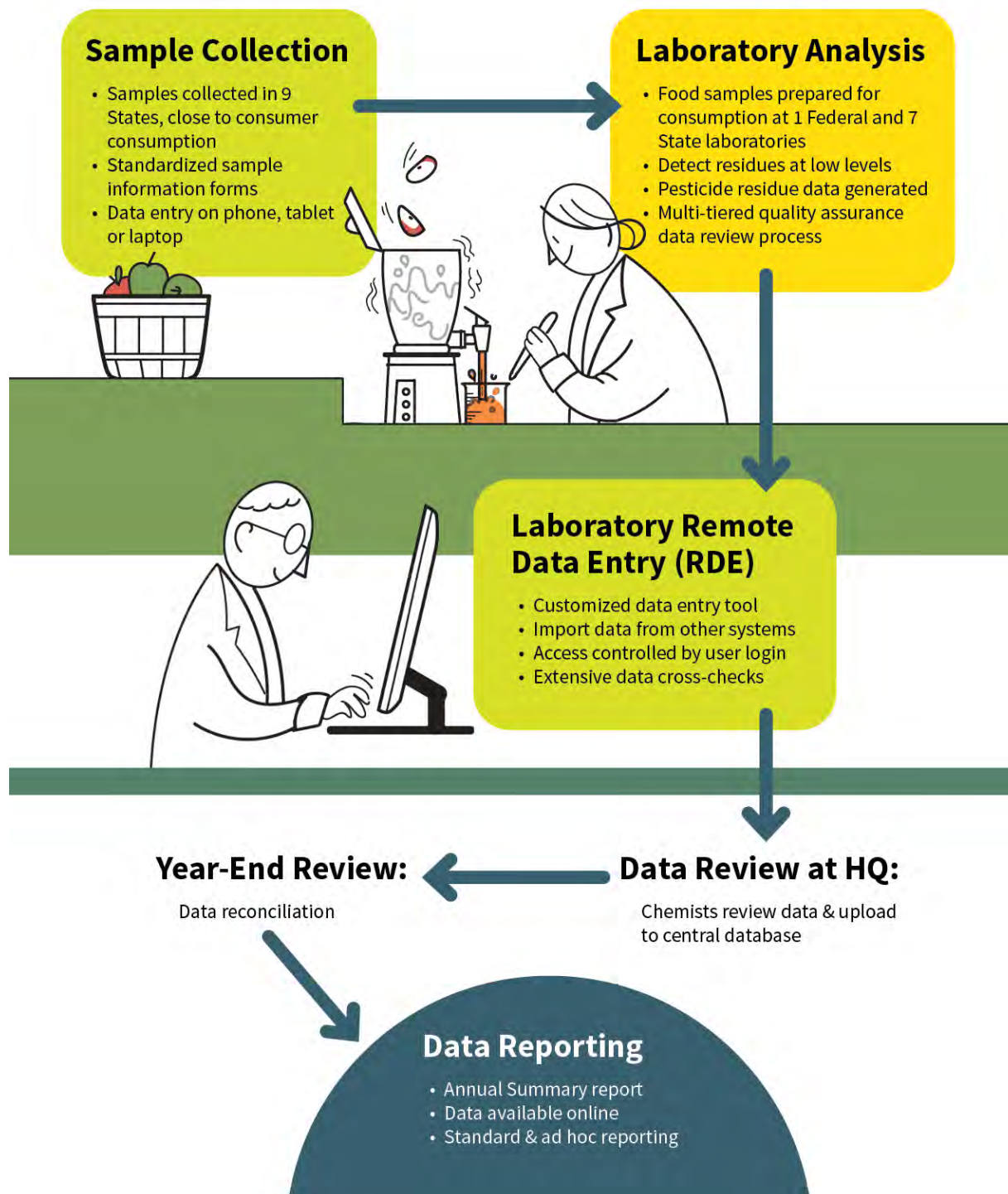


Figure 4. Pesticide Data Program (PDP) Data Pathway.

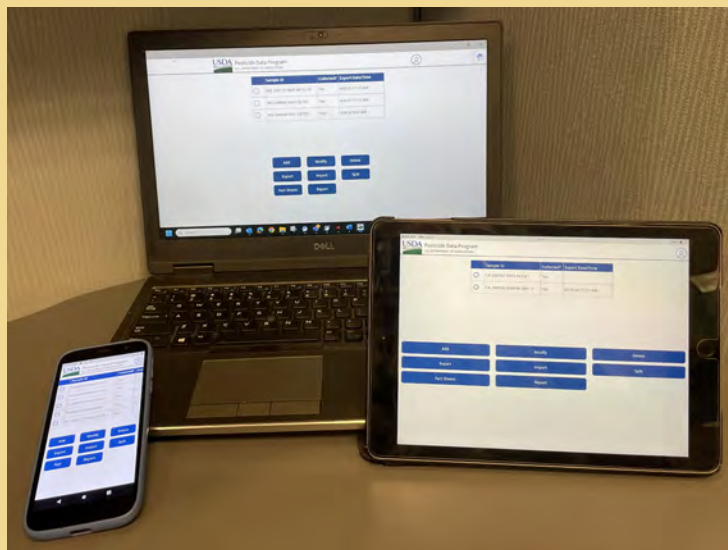
An illustration of PDP data path from sample collection through laboratory analysis and reporting.

B. e-SIF Application Spotlight

In 2024, PDP implemented a modernized electronic Sample Information Form (e-SIF) application that works on Apple® and Android™ mobile devices, as well as on Windows® computers. The application is used by all participating States to record and transmit sample information. The new application was a significant modernization effort for PDP, as the previous e-SIF tool had been in use since 2003 and only worked on Windows® computers. The e-SIF application can be used on laptop and desktop computers, cell phones, and tablets.

In addition to the option to use more devices, the application has many updated features including: commodity collection fact sheets available for reference within the app, common varieties available for direct selection from a drop-down menu, enhanced checks for missing or incomplete information, and direct data transmission to USDA. The application also incorporates modern security requirements, including multi-factor user authentication. For the first time in PDP history, photos can be included along with the sample information. The application allows for up to 8 photos to be submitted per sample. The photos have already provided benefits to the program, as a QA/QC resource for verifying the accuracy of data entries and as a visual resource for training materials.

After two years in development by the USDA team, the e-SIF application underwent pilot testing in March 2024. The application was released to all sampling States in April and was fully adopted by all sample collectors by July 2024. The e-SIF application can be updated as needed, based on sample collector feedback and program needs. The e-SIF application has been successful in improving the efficiency and accuracy of the data entry process.



C. Data Reporting

An electronic library of data queries is maintained to generate standardized data summaries, including the data tables, charts, and appendixes in this annual summary. PDP calendar-year database files are made available for download from the PDP website at www.ams.usda.gov/datasets/pdp/pdpdata. The data files on the website are delimited text files that contain a portion of the sampling data, all reported residue findings, and reference lists that can be used to interpret the standardized codes seen in the PDP data. The data files can be imported into defined database structures and manipulated using common database management software packages. The MPD staff frequently receives requests for data from government agencies and interested outside parties. Ad hoc queries and custom reports are generated to fill such requests.

D. Online Database Search Tool

An online PDP Database search tool is available for public use. The search tool allows anyone with internet access to search for PDP pesticide residue findings on commodities tested across all published years. Search criteria are selected from lists of all reported commodities, pesticides, and survey years. The user selects one of five output preferences to show individual residue findings or summary data. The generated dataset can be exported to a comma-separated values (CSV) file. The search tool can be reached from any PDP website page or directly at apps.ams.usda.gov/pdp.

V. Sample Results and Discussion

A. Overview

In 2024, PDP conducted surveys on a variety of foods including fresh and processed fruit and vegetables, almonds, and salmon. Of the 9,872 samples analyzed in 2024, 9,165 were fresh and processed fruit and vegetable samples, 531 were almond samples, and 176 were salmon samples. PDP testing methods are designed to detect low levels of pesticide residues. In 2024, over 99 percent of the samples tested had residues below the tolerances established by the EPA, and 42.3 percent had no detectable pesticide residue. The data reported by PDP illustrate that residues found in agricultural products sampled are at levels that do not pose risk to consumers' health and are safe according to EPA and FDA.

Appendix B tabulates the distribution of residue results for fruit and vegetables. Information included in this appendix are the number of samples analyzed for each compound, number and percentage of samples with detections, range of concentrations detected, range of analytical LODs, and EPA tolerance levels. Appendix C tabulates the distribution of residue results for almonds. Appendix D tabulates the distribution of residue results for salmon. PDP laboratories tested commodities for low levels of environmental contaminants. The selected contaminants were pesticides that are no longer used in the United States, but due to their persistence in the environment, particularly in soil, these contaminants can be still taken up by plants. Appendix E tabulates the results for environmental contaminants across all commodities. Environmental contaminants are consolidated into a single appendix because they have no registered uses and are not applied to crops in the United States. These compounds are subject to FDA Action Levels (ALs) rather than tolerances. Because environmental contaminants continue to persist in the environment, they may be present in food commodities at generally low levels.

In 2024, most of the collected and analyzed samples (60.1 percent) were produced in the United States, 38.9 percent were imports, less than 0.1 percent were of mixed national origin, and 0.9 percent were of unknown origin. Appendix F shows the distribution of sample origin by State or country. Of all samples collected and analyzed, approximately 24.2 percent (2,392 of 9,872) were grown, packed, and/or distributed in or from California, which is the leading agricultural production and most populous State.

Food monitoring data, together with dietary consumption surveys, are used by EPA to estimate dietary exposure to pesticides to ensure the safety of registered pesticide uses. EPA uses all results reported by PDP, including sample results reported as below the LOD and those above the tolerance. PDP laboratories are required to establish LODs and report any instrumental response below the LOD as a non-detect. LODs are established experimentally for each pesticide/commodity pair and are reported with each data set. The number of non-detects can be used in conjunction with percent-crop-treated data to determine what proportion of these values may be counted as zero towards the dietary exposure. All individual sample data can be downloaded from the PDP website at www.ams.usda.gov/pdp or obtained by contacting MPD.

B. Import Versus Domestic Residue Comparisons

Information about the origin of each PDP sample is recorded when the sample is collected. Figure 2 illustrates the portion of the domestic and import component for each of the PDP fruit and vegetable commodities in 2024. The data generated by PDP reflect pesticide residues in both domestic and imported food products available to the U.S. consumer. Many of the samples of fresh and processed commodities were almost entirely of domestic origin, such as apples (98.4 percent), leaf lettuce (96.2 percent) and potatoes (93.8 percent), with only minor import origins (1.6 percent, 3.2 percent, and 5.6 percent, respectively) and unknown origins (0.0 percent, 0.6 percent, and 0.6 percent, respectively). Other fresh commodities, such as blackberries, were available from domestic growers part of the year and imported during the remaining months, as illustrated in figure 3.

Comparison of selected residues detected in imported versus domestic blackberries can be found in appendix G. This commodity set was selected to compare data where residues of the listed pesticides are present in greater than 5 percent of the total samples for the commodity. The comparison of individual pesticides between the countries of origin shows that the residue profiles for domestic and imported crops are significantly different, as would be expected due to differences in pest pressures and pesticides registered for use.

The blackberry data in appendix G show that imidacloprid, metalaxyl/mefenoxam, pyraclostrobin, and tetrahydrophthalimide were detected more frequently in imported samples than in domestic samples. For example, imidacloprid was detected in 22.3 percent of the samples from Mexico and 1.9 percent of samples from the U.S. Cyprodinil, fludioxonil, fluopyram, myclobutanil and pyrimethanil were detected more frequently in domestic samples. For example, fluopyram was detected in 14.9 percent of the U.S. samples and 2.3 percent of the Mexican samples. Acetamiprid, cypermethrin, malathion, and spinetoram were detected with relatively equal frequency in the U.S. and Mexican samples.

All pesticides detected in this comparison of domestic and imported commodities had tolerances for the given commodity in the United States as shown in appendix G; however, the profiles of residue findings were markedly different in U.S. samples versus imported samples. The differences in residue detections between countries were likely due to the pesticides used in response to pest pressures based on differing environmental and climatic conditions as well as crop production and protection practices. Although differences were observed between domestic and imported sample residue profiles, as illustrated by the blackberry data in appendix G, the EPA-established tolerances were not exceeded for most of the domestic and imported samples.

C. Postharvest Applications

Pesticides can be applied before and after harvest depending on the crop and approved label use. PDP data capture both preharvest and postharvest uses because samples are collected at points when all pesticide applications have already occurred. Pesticides applied postharvest are used primarily as fungicides (e.g., azoxystrobin, imazalil, o-phenylphenol, and thiabendazole) and growth regulators/sprouting inhibitors (e.g., chlorpropham). Some detections reported in appendix B most likely reflect postharvest applications to the raw agricultural commodity.

D. Discussion of Results

There are many pesticides registered for use on the same crop; however, not all registered pesticides are used at the same time or location. In 2024, 42.3 percent of the samples tested had no detectable pesticide residue, and over 99 percent of the samples tested had residues below the tolerances established by the EPA. Pesticide use is primarily dictated by local pest pressures and environmental conditions conducive to growth of pest populations, as well as the planting of susceptible varieties.

These differences are captured by PDP data, which reflect actual residues present in food grown in various regions of the United States and foreign countries. Thus, in evaluating consumer exposure to pesticides through the diet, EPA uses all available information provided by registrants, PDP, and others to verify that tolerances meet the safety standards set by FQPA. The presence of residues at levels at or below the established tolerance verifies the safety of the Nation's food supply.

Food commodities and the pesticides detected in at least 5 percent of samples tested for each commodity are shown in appendix H. The data shown include the range and mean of values detected and EPA tolerance values for each commodity/pesticide pair.

By virtue of the MRMs employed, PDP provides critical data that can be used by EPA to evaluate exposure to multiple residues from the same commodity. The data are crucial for assessments that consider cumulative exposure to pesticides determined to have common mechanisms of toxicity. The distribution of multiple pesticides occurring in samples tested during 2024 is presented in appendix I. These data indicate that 42.3

percent of all samples tested contained no detectable pesticides, 17.9 percent contained one pesticide, and 39.8 percent contained more than one pesticide. Parent compounds and their metabolites are combined to report the number of “pesticides” rather than the number of “residues.” Environmental contaminants, listed in appendix E, have been excluded from this count of pesticides.

One sample of cucumber contained residues of 17 pesticides. None of the residues found in that cucumber sample exceeded the established tolerances. Multiple residue detections can result from the application of more than one pesticide on a crop during a growing season; in addition, several other factors can contribute to multiple detections. For example, unintentional spray drift in the field, planting of crops in fields previously treated with the pesticide, and/or transfer of residues of postharvest fungicides or growth regulators applied to other commodities stored in the same storage facilities could all contribute to residue detections.

In most cases, samples analyzed by PDP are composites of 3 to 5 pounds of commodity from the same lot. Therefore, the estimated concentrations for multiple residue detections in these composite sample results may or may not reflect the number or levels of pesticides in a single-serving item of a commodity.

E. Special Projects

Almonds: The Washington laboratory conducted testing for pesticide residues on 531 almond samples. Overall, ten distinct pesticides were detected in almond samples (appendix C). The most frequently detected residue was methoxyfenozide, which was detected in 459 almond samples (86.4 percent). Azoxystrobin was detected in 79 samples (14.9 percent), fluopyram was detected in 33 samples (6.2 percent), piperonyl butoxide was found in 26 samples (5.5 percent), metalaxyl/mefenoxam in 2 samples (0.4 percent), o-phenylphenol in 2 samples (0.4 percent), thiabendazole in 2 samples (0.4 percent), dichlorvos was found in 1 sample (0.2 percent), diphenylamine in 1 sample (0.2 percent), and pyriproxyfen was found in 1 sample (0.2 percent).

Salmon: The Washington laboratory conducted testing for pesticide residues on 176 salmon samples. There were no conventional pesticide residues detected in salmon samples (appendix D). The environmental contaminant DDT p,p' was detected in 3 salmon samples (1.7 percent) as seen in appendix E.

F. Environmental Contaminants

Persistent organic pollutants (POPs) are environmental contaminants that include pesticides with cancelled uses in the United States but whose residues persist in the environment, particularly in soil, where they may be taken up by plants. These data are also used to facilitate international trade. Residue results for environmental contaminants may be found in appendix E.

DDT, DDD, and DDE: PDP screened samples for various isomers and metabolites of DDT including DDT o,p'; DDT p,p'; DDD o,p'; DDD p,p'; DDE o,p'; and DDE p,p'. Use of DDT has been prohibited in the United States since 1972; however, due to its persistence in the environment, low-level residues of the DDE metabolite were detected in some commodities tested. DDE p,p' was detected in leaf lettuce (15.7 percent of samples) and potatoes (2.3 percent of samples). DDT p,p' was detected in leaf lettuce (0.4 percent) and salmon (1.7 percent). DDT o,p' was detected in cucumbers (0.3 percent) and leaf lettuce (0.1 percent). DDD p,p' was detected in avocados (0.3 percent) and fresh sweet corn (0.7 percent). No residues of DDD o,p' or DDE o,p' were detected in any samples. All residues detected were lower than established FDA ALs.

PDP tested samples for additional POPs including: aldrin, dieldrin, endrin, BHC (alpha/beta/delta/epsilon) and lindane (BHC gamma), chlordane and its cis and trans isomers, heptachlor and its epoxide metabolite, hexachlorobenzene (HCB), and mirex. The POPs listed in this section have not been registered for sale and distribution in the United States since the 1970s and 1980s.

Despite these cancellations and because they persist in the environment, trace residues of chlordane (cis and trans), dieldrin and heptachlor epoxide were detected in some of the tested commodities. Chlordane (cis) was

detected in 2.3 percent of canned pumpkin samples and 0.3 percent of cucumber samples. Chlordane (trans) was detected in 0.1 percent of cucumbers. Dieldrin was detected in 0.1 percent of apple samples, 15.9 percent of canned pumpkin samples, and 1.4 percent of cucumber samples. Heptachlor epoxide was detected in 3.5 percent of canned pumpkin samples and 0.1 percent of cucumber samples. No residues of aldrin, BHC (alpha/beta/delta/epsilon), endrin, heptachlor, HCB, lindane (BHC gamma), or mirex were detected in any samples.

G. Tolerance Violations

A tolerance is defined under Section 408 of the Federal Food, Drug, and Cosmetic Act as the maximum quantity of a pesticide residue allowable on a raw agricultural commodity. Tolerances are also applicable to processed foods. The FQPA of 1996 amended the Federal Insecticide, Fungicide and Rodenticide Act to require EPA to periodically review each pesticide registration using the most currently available data. Timely pesticide data provided by PDP enable the EPA to refine risk estimates used in the pesticide registration review process.

A tolerance violation occurs when a residue is found that exceeds the tolerance level or when a certain residue is found for which there is no established tolerance. Apart from meat, poultry, Siluriformes fish, and egg products, for which USDA's Food Safety and Inspection Service (FSIS) is responsible, FDA enforces tolerances for all imported foods and domestic foods that move through interstate commerce. Unlike enforcement programs, PDP emphasizes determination of residues at low levels of detection rather than quick turnaround times. When PDP identifies samples with residues exceeding the tolerance or with residues for which there is no established tolerance, these detections are reported to FDA's headquarters office. This notification is made in accordance with a Memorandum of Understanding between USDA and FDA for the purpose of identifying areas where closer surveillance may be needed. FDA assesses PDP apparent violation data for appropriateness for follow-up under its regulatory pesticide program. Due to the time required for completion of PDP analyses and data reporting, FDA follow-up will usually be at a subsequent harvest or commodity availability period.

Residues exceeding the established tolerance are noted with an "X" in appendix B. Similarly, residues for which a tolerance is not established are noted with a "V" in appendix B. The "X" and "V" annotations are followed by a number indicating the number of samples reported to FDA. The EPA tolerances cited in this summary and appendixes apply to 2024 and not to the current year. There may be instances where tolerances may have been recently changed that would influence whether a residue is violative.

An established tolerance may apply to more than one residue because pesticides may break down into more than one metabolite or contain more than one isomer. If a pesticide also has a metabolite of interest, PDP assigns the metabolite the same tolerance as the parent compound. However, if the metabolite has a higher tolerance in the Code of Federal Regulations (CFR), the higher of the two values is used for the metabolite. If a pesticide has multiple isomers, the tolerance is the sum of the parent and isomer(s) of interest. For example, the CFR tolerance for endosulfan combines residues of the isomers endosulfan I and endosulfan II and the metabolite endosulfan sulfate. Organophosphate tolerances may combine the parent compound and the sulfone and sulfoxide metabolites. Therefore, where applicable, the pesticide violations in appendix J are combined residues of parent and any isomers and/or metabolites to count the total number of samples with tolerance violations.

A total of 379 samples with 463 pesticides were reported to FDA as Presumptive Tolerance Violations (PTVs) because they exceeded the established tolerance and/or no tolerance was established. The pesticide residue levels and commodities are listed in appendix J for samples with PTVs.

Pesticides exceeding the tolerance were detected in 0.77 percent (76 samples) of the total samples tested (9,872 samples). Of these 76 PTV exceeder samples, 12 were domestic (15.8 percent), 63 were imported (82.9 percent), and 1 was of unknown origin (1.3 percent). PTV exceeder samples represented 0.2 percent of the total domestic samples, 1.6 percent of the total imported samples, and 1.1 percent of unknown origin samples. The samples containing pesticides that exceeded established tolerances included: 1 sample of avocados, 22 samples of fresh blackberries, 8 samples of cherry tomatoes, 5 samples of cucumbers, 3 samples of fresh sweet corn, and 37

samples of tomatillos. Tomatillos accounted for 48.7 percent of all exceeder PTV samples in 2024. Commodities that did not have any samples exceeding the established tolerances were the following: almonds, apples, canned pumpkin, frozen blackberries, fresh/frozen pineapples, frozen sweet corn, head lettuce, leaf lettuce, onion, orange, potatoes, and salmon.

Residues with no established tolerance were found in 3.7 percent (361 samples) of the total samples tested (9,872 samples). Of these 361 samples, 118 were domestic (32.7 percent), 230 were imported (63.7 percent), and 13 were of unknown origin (3.6 percent). PTV no-tolerance-established samples represented 2.0 percent of the total domestic samples, 6.0 percent of the total imported samples, and 14.1 percent of the total unknown origin samples. These samples included 356 fresh and processed fruit and vegetable samples and 5 almond samples. There were 337 samples that contained 1 pesticide for which no tolerance was established, 23 samples with 2 pesticides for which no tolerance was established, and 1 sample that contained 3 pesticides for which no tolerance was established. Fifty-eight of the 361 samples also contained 1 or more pesticides that exceeded an established tolerance. In most cases, the pesticides with no established tolerance were detected at low levels. Some pesticide residues may have resulted from unintentional spray drift in the field; planting of crops in fields previously treated with the pesticide; transfer of pesticide residues, postharvest fungicides, or other growth regulators applied to other commodities kept in the same storage facilities; or exposure to pesticides during transportation through the distribution chain. Commodities that did not have any samples with pesticides for which no tolerance was established were frozen sweet corn, oranges, potatoes, and salmon.

H. Look Ahead

At the time this report was drafted, 2025 PDP sampling and testing was underway. Commodities included in the 2025 survey are: apples, avocado, blackberries, brussels sprouts, bulb onions, cherry tomatoes, cucumbers, head lettuce, leaf lettuce, kale, milk, oats, oranges, pineapple, salmon, snap peas, spinach, strawberries, sweet corn, sweet potatoes, and tomatillos. It is anticipated that the 2025 PDP data will be published in an annual summary approximately 1 year after the date of this report.

* * * * *

Appendix A

Commodity History

Appendix A identifies commodities sampled by the Pesticide Data Program (PDP) through December 2025. Updates to this list are posted on the PDP website at www.ams.usda.gov/pdp.

**APPENDIX A. COMMODITY HISTORY
AS OF DECEMBER 2025**

Fresh Commodities

Commodity	Start Date	End Date
Apples ¹	Sep-91	Dec-96
Apples (S-1)	Jan-99	Dec-99
Apples (S-2)	Jan-99	May-99
Apples	Oct-00	Sep-02
Apples (T-1)	Jan-03	Dec-03
Apples	Jan-04	Dec-05
Apples	Jan-09	Dec-10
Apples (B-1)	Aug-12	Oct-12
Apples	Oct-14	Sep-16
Apples	Jul-23	Jun-25
Asparagus	Jan-02	Jun-03
Asparagus	Jul-08	Jun-10
Asparagus	Jul-17	Jun-19
Avocados	Jul-12	Dec-12
Avocados	Oct-23	Sep-25
Bananas	Sep-91	Sep-95
Bananas	Jan-01	Dec-02
Bananas (TSP)	Jul-03	Dec-03
Bananas	Jan-06	Dec-07
Bananas	Apr-12	Mar-14
Bananas	Jan-19	Dec-20
Basil	Apr-19	Sep-19
Blackberries ²	Jul-23	Jun-25
Blueberries (Cultivated) ²	Jan-07	Dec-08
Blueberries (Cultivated) ²	Jan-14	Dec-14
Blueberries (Cultivated/Wild) ^{2, 3}	Oct-20	Sep-22
Broccoli	Oct-92	Dec-94
Broccoli	Jan-01	Dec-02
Broccoli	Oct-06	Sep-08
Broccoli	Jan-13	Dec-14
Broccoli	Jan-20	Dec-21
Brussels Sprouts	Oct-25	Ongoing
Cabbage	Jan-10	Dec-11
Cabbage	Jul-17	Jun-19
Cantaloupe	Jul-98	Jun-00
Cantaloupe	Oct-03	Sep-05
Cantaloupe	Jan-10	Mar-10
Cantaloupe	Oct-10	Jun-12
Cantaloupe	Jul-19	Jun-21
Carrots ¹	Oct-92	Sep-96
Carrots	Oct-00	Sep-02
Carrots	Jan-06	Dec-07

Commodity	Start Date	End Date
Carrots	Jan-13	Dec-14
Carrots	Apr-20	Mar-22
Cauliflower	Oct-04	Sep-06
Cauliflower	Oct-11	Sep-13
Cauliflower	Oct-19	Sep-21
Celery	Feb-92	Mar-94
Celery	Jan-01	Dec-02
Celery	Jan-07	Dec-08
Celery	Jan-13	Dec-14
Celery ³	Jul-21	Jun-23
Cherries ⁴	May-00	Aug-01
Cherries ²	May-07	Sep-07
Cherries	Apr-14	Mar-16
Cilantro	Oct-09	Sep-10
Cilantro	Oct-18	Mar-19
Collard Greens	Oct-19	Sep-20
Cranberries	Oct-06	Dec-06
Cranberries ²	Oct-16	Mar-18
Cucumbers	Jan-99	Dec-00
Cucumbers	Oct-02	Sep-04
Cucumbers	Jan-09	Dec-10
Cucumbers	Jul-15	Jun-17
Cucumbers	Jan-24	Dec-25
Eggplant	Jan-05	Dec-06
Eggplant	Jan-20	Dec-21
Grapefruit	Aug-91	Dec-93
Grapefruit	Jan-05	Dec-06
Grapefruit	Oct-15	Sep-17
Grapes ¹	May-91	Dec-96
Grapes	Jan-00	Dec-01
Grapes (TSP)	Jul-03	Dec-03
Grapes	Jan-04	Dec-05
Grapes	Jan-09	Dec-10
Grapes	Jan-15	Dec-16
Grapes	Jan-22	Dec-23
Green Beans	Feb-92	Dec-95
Green Beans	Jan-00	Dec-01
Green Beans	Apr-04	Mar-05
Green Beans	Jan-07	Dec-08
Green Beans	Jul-13	Sep-16
Green Beans	Oct-20	Sep-22
Green Onions	Oct-08	Sep-09
Green Onions	Jan-18	Dec-18
Greens (Collard & Kale)	Oct-06	Sep-08
Hot Peppers	Oct-10	Sep-11
Hot Peppers	Jan-19	Dec-19
Kale	Jan-17	Dec-18

Commodity	Start Date	End Date
Kale	Oct-25	Ongoing
Kiwi Fruit	Apr-18	Mar-20
Lettuce	May-91	Dec-94
Lettuce	Oct-99	Sep-01
Lettuce	Jan-04	Dec-05
Lettuce	Jan-10	Dec-11
Lettuce	Jul-15	Jun-17
Lettuce, Head	Jan-24	Dec-25
Lettuce, Leaf	Jan-24	Dec-25
Lettuce, Organic	Jan-09	Dec-09
Mangoes	Apr-10	Sep-10
Mangoes	Oct-17	Sep-18
Mushrooms	Oct-01	Sep-03
Mushrooms	Oct-11	Sep-13
Mushrooms	Jan-22	Dec-23
Mustard Greens	Jan-19	Dec-19
Nectarines ⁵	Jul-00	Sep-01
Nectarines	Jan-07	Dec-08
Nectarines	Jan-13	Dec-15
Onions	Jan-02	Dec-03
Onions	Oct-11	Sep-12
Onions	Jan-17	Dec-17
Onions	Oct-23	Sep-25
Oranges ¹	Aug-91	Dec-96
Oranges	Jan-00	Dec-01
Oranges	Jan-04	Dec-05
Oranges	Jan-09	Dec-10
Oranges	Jan-15	Dec-16
Oranges	Jan-24	Dec-25
Papaya	Jul-11	Jun-12
Peaches	Feb-92	Sep-96
Peaches (S-3)	Jan-00	Sep-00
Peaches ⁶	Jan-01	Sep-02
Peaches (T-1)	May-03	Sep-03
Peaches	Oct-06	Sep-08
Peaches (B-1)	Aug-12	Oct-12
Peaches	Jul-13	Jun-15
Peaches ³	Jan-21	Dec-22
Pears	Jan-97	Jun-99
Pears (S-1)	Jul-98	Jun-99
Pears	Oct-03	Sep-05
Pears	Jan-09	Dec-10
Pears (B-1)	Oct-12	Nov-12
Pears	Jan-15	Dec-16
Pears	Jan-21	Dec-22
Pineapples	Jul-00	Jun-02
Pineapples	Jan-24	Dec-25

Commodity	Start Date	End Date
Plums ⁷	Jan-05	Dec-06
Plums	Oct-11	Sep-13
Plums ³	Jul-21	Jun-23
Potatoes	May-91	Dec-95
Potatoes (S-4)	Dec-96	Dec-97
Potatoes	Jul-00	Jun-02
Potatoes	Jan-08	Dec-09
Potatoes	Jan-15	Dec-16
Potatoes ³	Apr-22	Mar-24
Radishes	Jan-19	Dec-20
Raspberries ²	Jan-13	Dec-13
Snap Peas	Jan-11	Dec-12
Snap Peas	Jan-17	Dec-18
Snap Peas	Oct-25	Ongoing
Spinach ¹	Jan-95	Sep-97
Spinach	Jul-02	Dec-03
Spinach ⁸	Jan-06	Sep-06
Spinach	Jan-08	Dec-09
Spinach	Jan-15	Dec-16
Spinach	Jul-25	Ongoing
Strawberries ²	Jan-98	Sep-00
Strawberries	Jan-04	Dec-05
Strawberries	Jan-08	Dec-09
Strawberries	Oct-14	Sep-16
Strawberries	Jan-25	Ongoing
Summer Squash	Oct-06	Sep-08
Summer Squash	Oct-12	Sep-14
Summer Squash	Oct-20	Sep-22
Sweet Corn (On-the-Cob)	Oct-08	Sep-10
Sweet Corn (On-the-Cob)	Oct-14	Sep-15
Sweet Corn (On-the-Cob)	Oct-23	Sep-25
Sweet Bell Peppers	Jan-99	Dec-00
Sweet Bell Peppers	Oct-02	Sep-04
Sweet Bell Peppers	Jan-10	Mar-12
Sweet Bell Peppers ³	Jul-19	Jun-21
Sweet Potatoes ¹	Jan-96	Jun-98
Sweet Potatoes	Jan-03	Dec-04
Sweet Potatoes	Oct-08	Sep-10
Sweet Potatoes	Apr-16	Mar-18
Sweet Potatoes	Oct-25	Ongoing
Tangerines	Jan-11	Dec-12
Tangerines	Oct-19	Sep-21
Tomatillos	Oct-23	Sep-25
Tomatoes ¹	Jul-96	Jun-99
Tomatoes	Jan-03	Dec-04
Tomatoes	Jan-07	Dec-08
Tomatoes	Oct-14	Sep-16

Commodity	Start Date	End Date
Tomatoes ³	Jan-22	Dec-23
Tomatoes, Cherry/Grape	Jan-11	Dec-12
Tomatoes, Cherry/Grape	Apr-24	Ongoing
Watermelon ⁹	Oct-05	Sep-06
Watermelon	Apr-10	Sep-10
Watermelon	Jul-14	Jun-15
Watermelon	Oct-21	Sep-23
Winter Squash ²	Jan-97	Jun-99
Winter Squash	Jul-04	Jun-06
Winter Squash	Oct-11	Mar-13
Winter Squash	Jan-20	Dec-21

NOTES

- ¹ Excludes sampling hiatus September–November 1996.
 - ² Frozen collected when fresh unavailable.
 - ³ 2021–2022 samples that were delayed and held frozen for >90 days (due to COVID-19 pandemic related delays) are annotated in the downloadable/searchable PDP data set.
 - ⁴ Sampling adjusted for market availability. Cherries were sampled for 2 years (May-00–Aug-01) for a total of 6 months.
 - ⁵ Sampling adjusted for market availability. Nectarines were sampled for 2 years (Jul-00–Sep-01) for a total of 6 months.
 - ⁶ Sampling adjusted for market availability. Peaches were sampled for 2 years (Jan-01–Sep-02) for a total of 16 months.
 - ⁷ Dried plums (prunes) were collected when fresh plums were not available.
 - ⁸ Spinach ended earlier than planned due to the unavailability of product.
 - ⁹ Samples collected in California, Florida, and Texas only.
- (B-1) Special project testing for bifenthrin in multiresidue screen.
(S-1) Special single serving project testing for organophosphates.
(S-2) Special single serving project testing for carbamates.
(S-3) Special single serving project testing for carbamate, organochlorine, organophosphate, organonitrogen, and sulfur compounds.
(S-4) Special single serving project testing for aldicarb.
(T-1) Triazole parent and metabolite compounds only.
(TSP) Triazole Sampling Project. Samples sent to contract laboratory.

Processed Commodities

Commodity	Start Date	End Date
Apple Juice ¹	Jul-96	Dec-98
Apple Juice	Jan-02	Dec-02
Apple Juice	Jul-07	Jun-08
Apple Juice	Jul-12	Jun-13
Apple Juice	Jan-20	Dec-20
Applesauce	Jul-02	Dec-02
Applesauce	Jan-06	Dec-06
Applesauce	Oct-16	Sep-17
Asparagus, Canned	Jul-03	Dec-03
Beans, Canned (4 varieties) ²	Oct-08	Sep-10
Beets, Canned	Jan-11	Dec-11
Blackberries, Frozen ³	Jul-23	Jun-25
Blueberries (Cultivated), Frozen ³	Jan-07	Dec-08
Blueberries (Cultivated/Wild), Frozen ³	Jan-14	Dec-14
Blueberries (Cultivated/Wild), Frozen ³	Oct-20	Sep-22
Cherries, Frozen ⁴	Apr-14	Mar-16
Corn Syrup ⁴	Jan-98	Jun-99
Cranberries, Canned	Apr-18	Sep-18
Cranberries, Frozen ³	Oct-16	Mar-18
Garbanzo Beans, Canned	Oct-17	Sep-18
Garbanzo Beans, Dried	Jan-19	Dec-19
Grape Juice	Jan-98	Dec-99
Grape Juice	Jan-08	Dec-08
Grape Juice	Oct-13	Sep-14
Grape Juice	Jan-21	Dec-21
Green Beans, Canned/Frozen ¹	Jan-96	Jun-98
Green Beans, Canned	Jan-03	Mar-04
Green Beans, Frozen	Apr-05	Dec-05
Green Beans, Canned/Frozen	Jan-14	Dec-14
Olives, Canned	Oct-16	Sep-18
Orange Juice	Jan-97	Dec-98
Orange Juice	Oct-04	Sep-06
Orange Juice	Oct-10	Sep-11
Orange Juice	Jan-12	Jun-12
Orange Juice	Oct-19	Sep-20
Peaches, Canned	Dec-96	Dec-97
Peaches, Canned	Jan-03	Dec-04
Peaches, Canned	Jan-18	Dec-18
Peaches, Canned (T-1)	Jan-03	Mar-03
Peaches, Canned (T-1)	Oct-03	Dec-03
Peaches, Frozen ^{3, 5}	Jan-21	Dec-22
Pear Juice, Concentrate/Puree	Jul-02	Jun-03
Pears, Canned	Jul-99	Jun-00
Peas, Canned/Frozen	Apr-94	Jun-96
Peas, Canned/Frozen ⁶	Oct-01	Sep-03
Peas, Canned/Frozen	Oct-18	Sep-19

Commodity	Start Date	End Date
Peas, Frozen	Jan-06	Dec-06
Pineapple, Canned	Jan-17	Dec-17
Pineapple, Frozen ³	Jan-24	Dec-25
Plums, Dried (Prunes) ⁷	Jan-05	Dec-06
Plums, Dried (Prunes)	Oct-17	Sep-18
Potatoes, Frozen	Jan-06	Dec-07
Pumpkin, Canned	Jan-24	Dec-24
Raisins	Jul-06	Jun-07
Raisins	Jan-18	Dec-18
Raspberries, Frozen ³	Jan-13	Dec-13
Spinach, Canned	Oct-97	Dec-98
Spinach, Canned	Jan-04	Jun-04
Spinach, Canned/Frozen	Jul-10	Jun-11
Spinach, Canned/Frozen	Oct-18	Sep-19
Spinach, Frozen	Jan-99	Dec-99
Strawberries, Frozen ³	Jan-98	Sep-00
Strawberries, Frozen	Oct-18	Sep-19
Sweet Corn, Canned/Frozen	Apr-94	Mar-96
Sweet Corn, Canned/Frozen ⁶	Oct-01	Sep-03
Sweet Corn, Frozen ³	Oct-08	Sep-10
Sweet Corn, Frozen ³	Oct-14	Sep-15
Sweet Corn, Frozen ³	Oct-23	Sep-25
Tomato Paste, Canned	Jan-01	Jun-01
Tomato Paste, Canned	Jan-09	Dec-09
Tomato Paste, Canned	Oct-19	Sep-20
Tomatoes, Canned	Jul-99	Jun-00
Tomatoes, Canned	Oct-16	Sep-17
Winter Squash, Frozen ³	Jan-97	Jun-99

Baby Food / Formula Products

Commodity	Start Date	End Date
Baby Food, Applesauce	Jul-12	Jun-13
Baby Food, Applesauce	Jan-23	Dec-23
Baby Food, Carrots	Jan-12	Dec-12
Baby Food, Carrots	Jan-23	Dec-23
Baby Food, Green Beans	Oct-10	Sep-11
Baby Food, Green Beans	Oct-22	Sep-23
Baby Food, Peaches	Jan-12	Dec-12
Baby Food, Peaches	Oct-22	Sep-23
Baby Food, Pears	Oct-10	Sep-11
Baby Food, Pears	Oct-22	Sep-23
Baby Food, Peas	Jul-12	Jun-13
Baby Food, Peas	Jan-23	Dec-23
Baby Food, Sweet Potatoes	Oct-10	Sep-11
Baby Food, Sweet Potatoes	Oct-22	Sep-23
Infant Formula, Dairy-Based	Oct-13	Sep-14
Infant Formula, Soy-Based	Oct-13	Sep-14

NOTES

- ¹ Excludes sampling hiatus September–November 1996.
 - ² Bean varieties included black, garbanzo, kidney, and pinto.
 - ³ Frozen collected when fresh unavailable.
 - ⁴ Excludes sampling hiatus January 1999.
 - ⁵ 2021–2022 samples that were delayed and held frozen for >90 days (due to COVID-19 pandemic related delays) are annotated in the downloadable/searchable PDP data set.
 - ⁶ Canned samples collected in first year and frozen samples in second year of testing.
 - ⁷ Dried plums (prunes) were collected when fresh plums were not available.
- (T-1) Triazole parent and metabolite compounds only.

Grains

Commodity	Start Date	End Date
Barley	Oct-01	Sep-03
Corn	Oct-06	Sep-08
Corn ¹	Jul-21	Jun-23
Oats	Jul-99	Apr-00
Oats	Jan-10	Jun-10
Oats	Apr-14	Aug-14
Oats	Jan-19	Dec-19
Oats	Jul-25	Ongoing
Rice	Oct-00	Sep-02
Rice ²	Oct-08	Sep-09
Rice	Apr-14	Aug-14
Rice	Oct-18	Sep-19
Soybeans	Sep-96	Feb-98
Soybeans	Oct-03	Sep-05
Soybeans	Sep-10	Apr-11
Soybeans (S-1)	Oct-05	Dec-05
Soybeans	Sep-22	Jan-23
Wheat	Feb-95	Jan-98
Wheat	Sep-04	Jun-06
Wheat	Jul-12	Sep-12
Wheat Flour	Jan-03	Dec-04
Wheat Flour	Jan-18	Dec-18
Wheat Flour (T-1)	Jan-03	Dec-03

Nuts and Nut Products

Commodity	Start Date	End Date
Almonds	Jul-07	Mar-08
Almonds	Oct-23	Sep-24
Peanut Butter	Jan-00	Dec-00
Peanut Butter (TSP)	Jul-03	Dec-03
Peanut Butter	Jan-06	Dec-06
Peanut Butter	Apr-15	Aug-15
Peanut Butter	Jan-22	Dec-22

Dairy Products

Commodity	Start Date	End Date
Butter	Jan-03	Dec-03
Butter	Jan-12	Dec-13
Butter	Oct-21	Sep-22
Heavy Cream	Jul-05	Dec-05
Heavy Cream	Jan-07	Dec-07
Heavy Cream	Jun-18	Aug-18
Milk ³	Jan-96	Oct-98
Milk (TSP)	Jul-03	Dec-03
Milk	Jan-04	Dec-05
Milk	Jan-11	Dec-11
Milk	Jan-16	Dec-17
Milk	Oct-25	Ongoing

Fish Products

Commodity	Type	Start Date	End Date
Fish ⁴	Catfish	Apr-08	Jun-10
Fish	Salmon	Jul-13	Jun-14
Fish	Salmon	Oct-24	Sep-25

Meat / Poultry / Pork Products

Commodity	Type	Start Date	End Date
Poultry	Young Chickens	Apr-00	Mar-01
Poultry	Young & Mature Chickens	Jan-06	Dec-06
Beef	Cows, Heifers, Steers	Jun-01	Jul-02
Beef ⁵	Cows, Heifers, Steers	Dec-08	May-09
Pork	Gilt, Barrow	Jan-05	Jun-05

Other Products

Commodity	Start Date	End Date
Eggs (TSP)	Jul-03	Dec-03
Eggs	Jul-10	Jun-11
Eggs	Apr-16	Aug-16
Honey	Oct-07	Sep-08
Honey	Apr-17	Aug-17

Drinking Water

States	Start Date	End Date
Finished Water Only (27 sites)		
California, Colorado, Kansas, New York, Texas	Mar-01	Dec-03
Raw Intake and Finished Water (70 sites)		
Alabama, Arizona, California, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Missouri, Montana, New Jersey, New York, North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, Washington State, and Washington, D.C.	Jan-04	Apr-13
Bottled Water		
10 Participating States	Jan-05	Dec-06
10 Participating States	Jan-17	Dec-17
Groundwater		
1,495 Private Wells in 45 States plus Washington, DC	Jan-07	Feb-13
16 Municipal Water Facilities in 13 States	Mar-10	Feb-13

NOTES

¹ 2021 samples that were delayed and held frozen for >90 days (due to COVID-19 pandemic related delays) are annotated in the downloadable/searchable PDP data set.

² Includes sampling hiatus May–July 2009.

³ Excludes sampling hiatus September–November 1996.

⁴ Excludes sampling hiatus April–June 2009.

⁵ Survey ended 7 months early due to budgetary constraints.

(S-1) Special survey for fungicides used to combat soybean rust.

(T-1) Triazole parent and metabolite compounds only.

(TSP) Triazole Sampling Project. Samples sent to contract laboratory.

Appendix B

Distribution of Residues by Pesticide in Fruit and Vegetables

Appendix B shows residue detections for all fruit and vegetable pesticide/commodity pairs tested, including range of values detected, range of Limits of Detection (LODs), and U.S. Environmental Protection Agency (EPA) tolerances for each pair. The EPA tolerances cited in this summary and appendixes apply to 2024 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

In 2024, the Pesticide Data Program (PDP) analyzed 9,165 fruit and vegetable samples, of which 8,282 were fresh products and 883 were processed products.

PDP reports tolerance violations to FDA as part of an interagency Memorandum of Understanding between the U.S. Department of Agriculture and FDA. Residues reported to FDA are shown in the "Tolerance Violation" column and are annotated as "X" (if the residue exceeded the established tolerance) or "V" (if the residue did not have a tolerance listed in the Code of Federal Regulations, Title 40, Part 180). In both cases, these annotations are followed by a number indicating the number of samples reported to FDA.

Results for environmental contaminants across all commodities, including fruit and vegetables, have been consolidated in a separate appendix because they have no registered uses and are not applied to crops (see appendix E).

APPENDIX B. DISTRIBUTION OF RESIDUES BY PESTICIDE IN FRUIT AND VEGETABLES

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
2,3,5-Trimethacarb (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
2,6-dichlorobenzamide (herbicide) (metabolite of Dichlobenil)							
Lettuce, Head	708	1	0.1	0.014	0.010	V-1	NT
Lettuce, Leaf	<u>706</u>	<u>25</u>	3.5	0.010 - 0.047	0.010	V-25	NT
TOTAL	1,414	26					
2,6-DIPN (plant growth regulator)							
Avocado	358	0			0.010		NT
Cherry Tomatoes	499	0			0.050		NT
Cucumbers	348	0			0.050		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	1	0.6	0.41	0.020	V-1	2.0
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	2,769	1					
Abamectin (insecticide)							
Avocado	358	0			0.020		0.020
Blackberries, Fresh	626	4	0.6	0.053 - 0.071	0.050		0.20
Blackberries, Frozen	22	0			0.050		0.20
Lettuce, Head	708	0			0.020		0.1
Lettuce, Leaf	706	1	0.1	0.033	0.020		0.1
Pineapple, Fresh	656	0			0.020		0.015
Pineapple, Frozen	52	0			0.020		0.015
Tomatillos	<u>679</u>	<u>0</u>			0.020		0.07
TOTAL	3,807	5					
Acephate (insecticide)							
Apples	704	0			0.050		0.02 FH
Avocado	706	0			0.005 - 0.010		0.02 FH
Blackberries, Fresh	685	14	2	0.004 - 2.2	0.003	X-9	0.02 FH
Blackberries, Frozen	24	2	8.3	0.005 - 0.012	0.003		0.02 FH
Cherry Tomatoes	529	2	0.4	0.14 - 0.36	0.075	X-2	0.02 FH
Cucumbers	708	0			0.002 - 0.075		0.02 FH
Lettuce, Head	708	2	0.3	0.11 - 0.35	0.075		10
Lettuce, Leaf	706	0			0.075		0.02 FH
Onions	708	1	0.1	0.006	0.002 - 0.005		0.02 FH
Oranges	709	0			0.050		0.02 FH
Pineapple, Fresh	656	0			0.005		0.02 FH
Pineapple, Frozen	52	0			0.005		0.02 FH
Potatoes	177	0			0.075		0.02 FH
Pumpkin, Canned	706	0			0.005		0.02 FH
Sweet Corn, Fresh	607	0			0.010		0.02 FH
Sweet Corn, Frozen	101	0			0.010		0.02 FH
Tomatillos	<u>679</u>	<u>58</u>	8.5	0.005 - 0.74	0.005	X-37	0.02 FH
TOTAL	9,165	79					

		Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pesticide / Commodity	Number of Samples	Detections	Detections				
Acetamiprid (insecticide)							
Apples	704	224	31.8	0.010 - 0.17	0.010		1.0
Avocado	706	0			0.001 - 0.002		0.5
Blackberries, Fresh	685	156	22.8	0.002 - 0.57	0.002		1.6
Blackberries, Frozen	24	12	50	0.002 - 0.18	0.002		1.6
Cherry Tomatoes	529	22	4.2	0.006 - 0.12	0.005		0.20
Cucumbers	708	110	15.5	0.002 - 0.090	0.001 - 0.005		0.50
Lettuce, Head	708	4	0.6	0.011 - 0.015	0.010		3
Lettuce, Leaf	706	5	0.7	0.011 - 0.16	0.010		3
Onions	708	0			0.001 - 0.003		0.02
Oranges	709	22	3.1	0.010 - 0.058	0.010		1.0
Pineapple, Fresh	656	0			0.001		0.01 FH
Pineapple, Frozen	52	0			0.001		0.01 FH
Potatoes	177	0			0.005		0.01
Pumpkin, Canned	706	5	0.7	0.002 - 0.005	0.001		0.50
Sweet Corn, Fresh	607	1	0.2	0.002	0.002		0.01
Sweet Corn, Frozen	101	0			0.002		0.01
Tomatillos	<u>679</u>	<u>2</u>	0.3	0.002	0.001		0.20
TOTAL	9,165	563					
Acetochlor (herbicide)							
Avocado	706	0			0.001 - 0.030		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Onions	708	0			0.003		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.05 IN
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	0			0.030		0.05
Sweet Corn, Frozen	101	0			0.030		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,338	0					
Acibenzolar S methyl (fungicide)							
Apples	704	0			0.010		0.05 OT
Avocado	348	0			0.010		NT
Blackberries, Fresh	656	0			0.020		NT
Blackberries, Frozen	23	0			0.020		NT
Cherry Tomatoes	529	0			0.040		1.0
Cucumbers	708	0			0.004 - 0.040		2.0
Lettuce, Head	708	0			0.015		0.25
Lettuce, Leaf	706	1	0.1	0.096	0.015		0.25
Onions	708	0			0.012		0.1
Oranges	709	0			0.010		0.02
Pineapple, Fresh	627	0			0.005 - 0.020		NT
Pineapple, Frozen	51	0			0.005		NT
Potatoes	177	0			0.040		NT
Pumpkin, Canned	706	0			0.004 - 0.012		2.0
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.010		NT
TOTAL	8,068	1					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Acclonifen (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Afidopyropen (insecticide)							
Avocado	706	0			0.010		NT
Cucumbers	360	1	0.3	0.002	0.001		0.70
Lettuce, Head	708	0			0.008		2.0
Lettuce, Leaf	706	4	0.6	0.009 - 0.014	0.008		2.0
Onions	687	0			0.003 - 0.006		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Pumpkin, Canned	706	0			0.001		0.70
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.2
TOTAL	5,968	5					
Alachlor (herbicide)							
Avocado	706	0			0.001 - 0.020		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.002 - 0.010		NT
Onions	708	0			0.002		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.002		NT
Sweet Corn, Fresh	607	0			0.020		0.05
Sweet Corn, Frozen	101	0			0.020		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,629	0					
Aldicarb (insecticide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.005 - 0.020		NT
Blackberries, Fresh	310	0			0.030		NT
Blackberries, Frozen	13	0			0.030		NT
Cherry Tomatoes	529	0			0.040		NT
Cucumbers	708	0			0.001 - 0.040		NT
Oranges	709	0			0.010		0.3
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.040		1
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	6,657	0					
Aldicarb sulfone (metabolite of Aldicarb)							
Apples	704	0			0.010		NT
Avocado	706	0			0.003 - 0.010		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cherry Tomatoes	529	0			0.025		NT
Cucumbers	708	0			0.003 - 0.025		NT
Onions	708	0			0.003		NT
Oranges	709	0			0.010		0.3
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.025		1
Pumpkin, Canned	706	0			0.003		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	7,751	0					
Aldicarb sulfoxide (metabolite of Aldicarb)							
Apples	704	0			0.010		NT
Avocado	358	0			0.003		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.055		NT
Cucumbers	348	0			0.055		NT
Onions	708	0			0.006 - 0.012		NT
Oranges	709	0			0.010		0.3
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.055		1
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	5,629	0					
Allethrin (insecticide)							
Apples	704	0			0.010		NT
Cherry Tomatoes	529	0			0.080		NT
Cucumbers	348	0			0.080		NT
Oranges	709	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.080		NT
TOTAL	2,467	0					
Allidochlor (herbicide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Ametoctradin (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001		NT
Cherry Tomatoes	529	2	0.4	0.011 - 0.028	0.010		1.5
Cucumbers	708	48	6.8	0.002 - 0.079	0.001 - 0.010		3.0
Lettuce, Head	708	81	11.4	0.001 - 0.30	0.001		40.0
Lettuce, Leaf	706	230	32.6	0.001 - 10	0.001		40.0
Onions	708	0			0.001		1.5
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.05
Pumpkin, Canned	706	0			0.001		3.0
Sweet Corn, Fresh	607	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.002	0.001		1.5
TOTAL	8,456	362					
Ametryn (herbicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.002		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		0.05
Pineapple, Frozen	52	0			0.001		0.05
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,268	0					
Amicarbazone (herbicide)							
Avocado	358	0			0.010		NT
Pineapple, Fresh	656	0			0.020		NT
Pineapple, Frozen	52	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	1,745	0					
Aminocarb (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Amisulbrom (fungicide)							
Lettuce, Head	708	0			0.030		NT
Lettuce, Leaf	706	0			0.030		NT
Pineapple, Fresh	603	0			0.005		NT
Pineapple, Frozen	<u>47</u>	<u>0</u>			0.005		NT
TOTAL	2,064	0					
Anilofos (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Anthraquinone (avian repellent)							
Avocado	358	0			0.020		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Pineapple, Fresh	656	0			0.020		NT
Pineapple, Frozen	52	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.020		NT
TOTAL	2,454	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Aspon (insecticide)							
Apples	704	0			0.005		NT
Oranges	<u>709</u>	<u>0</u>			0.005		NT
TOTAL	1,413	0					
Asulam (herbicide)							
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,387	0					
Atraton (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Atrazine (herbicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.001		NT
Cucumbers	708	1	0.1	0.002	0.001	V-1	NT
Lettuce, Head	708	0			0.005		0.25 IN
Lettuce, Leaf	706	6	0.8	0.005 - 0.010	0.005		0.25 IN
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.001		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.010		0.20
Sweet Corn, Frozen	101	0			0.010		0.20
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,165	7					
Azaconazole (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Azamethiphos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Azimsulfuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Azinphos (insecticide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Azinphos methyl (insecticide)							
Apples	704	0			0.020		NT
Avocado	706	0			0.005 - 0.10		NT
Blackberries, Fresh	685	0			0.010 - 0.020		NT
Blackberries, Frozen	24	0			0.010 - 0.020		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	708	0			0.006 - 0.020		NT
Lettuce, Head	708	0			0.008		NT
Lettuce, Leaf	706	0			0.008		NT
Onions	669	0			0.020 - 0.040		NT
Oranges	709	0			0.020		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.020		NT
Pumpkin, Canned	706	0			0.006		NT
Sweet Corn, Fresh	607	0			0.10		NT
Sweet Corn, Frozen	101	0			0.10		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	9,126	0					
Azinphos methyl oxygen analog (metabolite of Azinphos methyl)							
Apples	704	0			0.010		NT
Avocado	358	0			0.003		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	6,335	0					
Azoxystrobin (fungicide)							
Apples	704	0			0.002		NT
Avocado	706	52	7.4	0.001 - 0.024	0.001 - 0.002		2.0
Blackberries, Fresh	685	143	20.9	0.002 - 0.63	0.002		5.0
Blackberries, Frozen	24	11	45.8	0.002 - 0.35	0.002		5.0
Cherry Tomatoes	529	62	11.7	0.010 - 0.16	0.010		0.2
Cucumbers	708	131	18.5	0.002 - 0.063	0.001 - 0.010		0.3
Lettuce, Head	708	8	1.1	0.002 - 0.085	0.002		30.0
Lettuce, Leaf	706	25	3.5	0.002 - 3.9	0.002		30.0
Onions	708	2	0.3	0.002 - 0.005	0.001		1.0
Oranges	709	174	24.5	0.002 - 0.17	0.002		15.0
Pineapple, Fresh	656	2	0.3	0.003	0.001	V-2	NT
Pineapple, Frozen	52	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Potatoes	177	20	11.3	0.011 - 1.4	0.010		8.0
Pumpkin, Canned	706	0			0.001		0.3
Sweet Corn, Fresh	607	1	0.2	0.003	0.002		0.05
Sweet Corn, Frozen	101	0			0.002		0.05
Tomatillos	<u>679</u>	<u>130</u>	19.1	0.001 - 0.028	0.001		0.2
TOTAL	9,165	761					
Beflubutamid (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Benalaxyl (fungicide)							
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.005		0.20 OT
Cucumbers	348	0			0.005		NT
Lettuce, Head	708	0			0.003		NT
Lettuce, Leaf	706	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		0.20 OT
TOTAL	4,036	0					
Benalaxyl-M (fungicide)							
Cherry Tomatoes	529	0			0.005		0.20 OT
Cucumbers	348	0			0.005		NT
Potatoes	<u>177</u>	<u>0</u>			0.005		NT
TOTAL	1,054	0					
Bendiocarb (insecticide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001		NT
Blackberries, Fresh	685	0			0.003		NT
Blackberries, Frozen	24	0			0.003		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	708	0			0.001 - 0.020		NT
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,165	0					
Benfluralin (herbicide)							
Avocado	358	0			0.003		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Lettuce, Head	708	0			0.001		0.05
Lettuce, Leaf	706	1	0.1	0.001	0.001		0.05

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,868	1					
Benoxacor (herbicide safener)							
Apples	704	0			0.005		NT
Avocado	706	0			0.003 - 0.020		NT
Blackberries, Fresh	685	0			0.010		0.01
Blackberries, Frozen	24	0			0.010		0.01
Cherry Tomatoes	529	0			0.015		0.01
Cucumbers	708	0			0.001 - 0.015		0.01
Lettuce, Head	708	0			0.010		0.01
Lettuce, Leaf	706	0			0.010		0.01
Onions	708	0			0.001		0.01
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.015		0.01
Pumpkin, Canned	706	0			0.001		0.01
Sweet Corn, Fresh	580	0			0.020		0.01
Sweet Corn, Frozen	98	0			0.020		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.003		0.01
TOTAL	9,135	0					
Bensulfuron methyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Bensulide (herbicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	0			0.004		NT
Blackberries, Frozen	24	0			0.004		NT
Cherry Tomatoes	529	0			0.005		0.10
Cucumbers	348	0			0.005		0.15
Lettuce, Head	708	0			0.005		0.15
Lettuce, Leaf	706	12	1.7	0.005 - 0.020	0.005		0.15
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.10
TOTAL	7,391	12					
Bensulide oxygen analog (metabolite of Bensulide)							
Avocado	646	0			0.001 - 0.003		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.010		0.10
Cucumbers	348	0			0.010		0.15
Pineapple, Fresh	527	0			0.003		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	33	0			0.003		NT
Potatoes	177	0			0.010		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>590</u>	<u>0</u>			0.003		0.10
TOTAL	4,267	0					
Bentazon (herbicide)							
Avocado	348	0			0.50		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	348	0			0.020		NT
Potatoes	177	0			0.030		NT
Sweet Corn, Fresh	607	0			0.50		0.05
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.50		0.05
TOTAL	2,110	0					
Benthiavalicarb isopropyl (fungicide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.010		0.45 OT
Cucumbers	348	0			0.010		NT
Lettuce, Head	708	0			0.003		NT
Lettuce, Leaf	706	0			0.003		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.45 OT
TOTAL	4,213	0					
Benzobicyclon (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Benzovindiflupyr (fungicide)							
Avocado	706	0			0.001 - 0.002		NT
Cherry Tomatoes	529	1	0.2	0.028	0.020		1.5
Cucumbers	708	1	0.1	0.003	0.002 - 0.020		0.30
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Onions	708	0			0.002 - 0.006		0.02
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		0.02
Pumpkin, Canned	706	0			0.002 - 0.006		0.30
Sweet Corn, Fresh	607	0			0.002		0.01
Sweet Corn, Frozen	101	0			0.002		0.01
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.029	0.001		1.5
TOTAL	7,043	3					
6-Benzyladenine (plant growth regulator)							
Avocado	328	0			0.001		0.02
Pineapple, Fresh	576	0			0.001		NT
Pineapple, Frozen	44	0			0.001		NT
Tomatillos	<u>650</u>	<u>0</u>			0.001		0.01
TOTAL	1,598	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Bicyclopyrone (herbicide)							
Avocado	348	0			0.002		NT
Sweet Corn, Fresh	607	0			0.002		0.03
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002		0.03
TOTAL	1,056	0					
Bifenazate (acaricide)							
Apples	704	26	3.7	0.010 - 0.091	0.010		0.7
Cherry Tomatoes	529	40	7.6	0.005 - 0.25	0.005		4.0
Cucumbers	348	1	0.3	0.036	0.005		0.75
Oranges	709	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.005		0.10
TOTAL	2,467	67					
BifenoX (herbicide)							
Avocado	328	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003 - 0.005		NT
TOTAL	1,715	0					
Bifenthrin (insecticide)							
Apples	704	11	1.6	0.009 - 0.098	0.005		0.9
Avocado	706	0			0.001 - 0.050		0.5
Blackberries, Fresh	685	179	26.1	0.002 - 0.85	0.002		1
Blackberries, Frozen	24	13	54.2	0.004 - 0.17	0.002		1
Cherry Tomatoes	529	44	8.3	0.005 - 0.18	0.005		0.3
Cucumbers	708	87	12.3	0.002 - 0.041	0.001 - 0.005		0.4
Lettuce, Head	708	0			0.005		3.0
Lettuce, Leaf	706	3	0.4	0.005 - 0.008	0.005		0.05 FH
Onions	708	0			0.001		0.05 FH
Oranges	709	0			0.005		0.05
Pineapple, Fresh	656	0			0.001		0.05 FH
Pineapple, Frozen	52	0			0.001		0.05 FH
Potatoes	177	0			0.005		0.05
Pumpkin, Canned	706	84	11.9	0.002 - 0.012	0.001		0.4
Sweet Corn, Fresh	607	0			0.010		0.05
Sweet Corn, Frozen	101	0			0.010		0.05
Tomatillos	<u>679</u>	<u>17</u>	2.5	0.001 - 0.013	0.001		0.3
TOTAL	9,165	438					
Biphenyl (fungicide)							
Cherry Tomatoes	529	0			0.075		NT
Cucumbers	348	0			0.075		NT
Potatoes	<u>177</u>	<u>0</u>			0.075		NT
TOTAL	1,054	0					
Bitertanol (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.010		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	3,158	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Bixafen (fungicide)							
Avocado	706	0			0.002 - 0.003		NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Sweet Corn, Fresh	607	0			0.002		0.40
Sweet Corn, Frozen	101	0			0.002		0.40
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	4,215	0					
Boscalid (fungicide)							
Apples	704	30	4.3	0.011 - 0.19	0.010		3.0
Avocado	706	7	1	0.004 - 0.028	0.002 - 0.003		1.5
Blackberries, Fresh	685	208	30.4	0.003 - 0.98	0.003		10.0
Blackberries, Frozen	24	5	20.8	0.009 - 0.021	0.003		10.0
Cherry Tomatoes	529	98	18.5	0.005 - 0.57	0.005		3.0
Cucumbers	708	112	15.8	0.002 - 0.16	0.001 - 0.005		3.0
Lettuce, Head	708	4	0.6	0.008 - 0.072	0.005		70
Lettuce, Leaf	706	31	4.4	0.005 - 0.46	0.005		70
Onions	708	8	1.1	0.004 - 0.007	0.003		5.0
Oranges	709	0			0.010		2.0
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	1	0.6	0.006	0.005		0.05
Pumpkin, Canned	706	0			0.001		3.0
Sweet Corn, Fresh	607	0			0.002		0.20 IN
Sweet Corn, Frozen	101	0			0.002		0.20 IN
Tomatillos	<u>679</u>	<u>35</u>	5.2	0.003 - 0.021	0.003		3.0
TOTAL	9,165	539					
Broflanilide (insecticide)							
Avocado	348	0			0.002		0.01 FH
Cherry Tomatoes	529	0			0.070		0.01 FH
Cucumbers	708	0			0.003 - 0.070		0.01 FH
Lettuce, Head	708	0			0.010		0.01 FH
Lettuce, Leaf	706	0			0.010		0.01 FH
Onions	708	0			0.010 - 0.020		0.01 FH
Pumpkin, Canned	706	0			0.003 - 0.020		0.01 FH
Sweet Corn, Fresh	607	0			0.002		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002		0.01
TOTAL	5,121	0					
Bromacil (herbicide)							
Avocado	706	0			0.003 - 0.010		NT
Blackberries, Fresh	685	0			0.003		NT
Blackberries, Frozen	24	0			0.003		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Pineapple, Fresh	656	0			0.003		0.1
Pineapple, Frozen	52	0			0.003		0.1
Potatoes	177	0			0.020		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	4,564	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Bromobutide (herbicide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Bromophos ethyl (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Bromopropylate (acaricide)							
Apples	704	0			0.005		NT
Avocado	328	0			0.001		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,837	0					
Bromuconazole (fungicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Bupirimate (fungicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Buprofezin (insecticide)							
Apples	704	1	0.1	0.015	0.010		3.0
Avocado	706	0			0.001		0.30
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	0			0.001		NT
Cherry Tomatoes	529	91	17.2	0.001 - 0.37	0.001		2.0
Cucumbers	708	3	0.4	0.002 - 0.013	0.001		0.50
Lettuce, Head	708	1	0.1	0.002	0.001		35
Lettuce, Leaf	706	5	0.7	0.001 - 0.006	0.001		35
Onions	708	0			0.001		NT
Oranges	709	0			0.010		4
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Potatoes	177	0			0.001		NT
Pumpkin, Canned	706	0			0.001		0.50
Sweet Corn, Fresh	595	0			0.001		NT
Sweet Corn, Frozen	98	0			0.001		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.002	0.001		2.0
TOTAL	9,150	102					
Butachlor (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Butocarboxim (insecticide, acaricide)							
Apples	704	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Oranges	709	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.020		NT
TOTAL	2,467	0					
Butocarboxim sulfone (metabolite of Butocarboxim)							
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.015		NT
TOTAL	1,054	0					
Butocarboxim sulfoxide (metabolite of Butocarboxim)							
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Potatoes	<u>177</u>	<u>0</u>			0.010		NT
TOTAL	1,054	0					
Butralin (herbicide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Butylate (herbicide)							
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	348	0			0.020		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	2,799	0					
Cadusafos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Captan (fungicide) (parent of THPI)							
Apples	704	104	14.8	0.024 - 3.1	0.020	X-1	25.0
Cherry Tomatoes	529	1	0.2	0.20	0.20		0.05
Oranges	709	0			0.020		NT
Potatoes	<u>177</u>	<u>0</u>			0.20		0.05
TOTAL	2,119	105					
Carbaryl (insecticide)							
Apples	704	14	2	0.10 - 0.72	0.010		12
Avocado	706	0			0.002 - 0.003		NT
Blackberries, Fresh	685	5	0.7	0.005 - 1.5	0.003		12.0
Blackberries, Frozen	24	1	4.2	0.005	0.003		12.0
Cherry Tomatoes	529	0			0.005		5.0
Cucumbers	708	1	0.1	0.18	0.003 - 0.005		3.0
Lettuce, Head	708	0			0.005		10
Lettuce, Leaf	706	0			0.005		10
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.010		10
Pineapple, Fresh	656	0			0.003		2.0
Pineapple, Frozen	52	0			0.003		2.0
Potatoes	177	0			0.005		2.0
Pumpkin, Canned	706	0			0.003		3.0
Sweet Corn, Fresh	607	5	0.8	0.003 - 0.005	0.002		0.1
Sweet Corn, Frozen	101	0			0.002		0.1
Tomatillos	<u>679</u>	<u>0</u>			0.003		5.0
TOTAL	9,165	26					
Carbendazim - MBC (fungicide) (metabolite of Benomyl and Thiophanate Methyl)							
Apples	704	80	11.4	0.011 - 0.38	0.010		2.0
Avocado	706	0			0.001 - 0.020		NT
Cherry Tomatoes	529	1	0.2	0.045	0.010	V-1	NT
Cucumbers	708	40	5.6	0.002 - 0.084	0.001 - 0.010		1.0
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Onions	708	4	0.6	0.002 - 0.004	0.001		0.5
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	8	1.2	0.002 - 0.011	0.001	V-8	NT
Pineapple, Frozen	52	1	1.9	0.002	0.001	V-1	NT
Potatoes	177	0			0.010		0.1
Pumpkin, Canned	706	19	2.7	0.002 - 0.041	0.001		1.0
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>55</u>	8.1	0.001 - 0.014	0.001	V-55	NT
TOTAL	8,456	208					
Carbofuran (insecticide) (parent of 3-Hydroxycarbofuran)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	1	0.1	0.002	0.001	V-1	NT
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,165	1					
Carbophenothion (insecticide)							
Avocado	358	0			0.003		NT
Cucumbers	360	0			0.003		NT
Onions	629	0			0.003 - 0.006		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Pumpkin, Canned	706	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,440	0					
Carboxin (fungicide)							
Apples	704	0			0.005		NT
Avocado	268	0			0.003		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.005		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	583	0			0.002		0.2
Sweet Corn, Frozen	<u>96</u>	<u>0</u>			0.002		0.2
TOTAL	3,414	0					
Carfentrazone (herbicide)							
Apples	704	0			0.005		0.10
Avocado	706	0			0.002 - 0.003		0.10
Blackberries, Fresh	685	0			0.005		0.10
Blackberries, Frozen	24	0			0.005		0.10
Cherry Tomatoes	529	0			0.020		0.10
Cucumbers	708	0			0.005 - 0.020		0.10
Lettuce, Head	708	0			0.008		0.10
Lettuce, Leaf	706	0			0.008		0.10
Onions	708	0			0.005		0.10
Oranges	709	0			0.005		0.10
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.020		0.10
Pumpkin, Canned	706	0			0.005		0.10
Sweet Corn, Fresh	607	0			0.002		0.10
Sweet Corn, Frozen	101	0			0.002		0.10
Tomatillos	<u>679</u>	<u>0</u>			0.003		0.10
TOTAL	9,165	0					
Carpropamid (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Chlorantraniliprole (insecticide)							
Apples	704	84	11.9	0.020 - 0.097	0.020		1.2
Avocado	706	0			0.005		4.0
Blackberries, Fresh	685	9	1.3	0.013 - 0.14	0.010		1.8
Blackberries, Frozen	24	3	12.5	0.012 - 0.052	0.010		1.8
Cucumbers	708	45	6.4	0.003 - 0.019	0.002 - 0.060		0.5
Lettuce, Head	708	10	1.4	0.008 - 0.067	0.008		13
Lettuce, Leaf	706	97	13.7	0.008 - 1.1	0.008		13
Onions	708	0			0.005 - 0.010		0.30
Oranges	709	0			0.020		1.4
Pineapple, Fresh	656	0			0.005		1.5
Pineapple, Frozen	52	0			0.005		1.5
Potatoes	177	0			0.060		0.30
Pumpkin, Canned	706	0			0.002		0.5
Sweet Corn, Fresh	607	2	0.3	0.005 - 0.006	0.005		0.02
Sweet Corn, Frozen	101	0			0.005		0.02
Tomatillos	<u>679</u>	<u>33</u>	4.9	0.005 - 0.020	0.005		1.4
TOTAL	8,636	283					
Chlorbromuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Chlordimeform (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Chlorethoxyfos (insecticide)							
Avocado	706	0			0.005 - 0.010		NT
Pineapple, Fresh	630	0			0.010		NT
Pineapple, Frozen	49	0			0.010		NT
Sweet Corn, Fresh	607	0			0.005		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.005		0.01
TOTAL	2,093	0					
Chlorfenapyr (insecticide)							
Apples	704	0			0.005		0.01 FH
Avocado	706	0			0.005 - 0.010		0.01 FH
Blackberries, Fresh	685	0			0.015		0.01 FH
Blackberries, Frozen	24	0			0.015		0.01 FH
Cherry Tomatoes	529	20	3.8	0.015 - 0.20	0.015		2
Cucumbers	708	25	3.5	0.004 - 0.087	0.002 - 0.015		0.5
Lettuce, Head	708	0			0.010		0.01 FH
Lettuce, Leaf	706	0			0.010		0.01 FH
Onions	708	0			0.002		0.01 FH
Oranges	709	0			0.005		0.01 FH
Pineapple, Fresh	656	0			0.010		0.01 FH
Pineapple, Frozen	52	0			0.010		0.01 FH
Potatoes	177	0			0.015		0.01 FH
Pumpkin, Canned	706	5	0.7	0.004	0.002		0.01 FH
Sweet Corn, Fresh	607	0			0.005		0.01 FH

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Corn, Frozen	101	0			0.005		0.01 FH
Tomatillos	<u>679</u>	<u>0</u>			0.010		2
TOTAL	9,165	50					
Chlorfenvinphos (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.002		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,932	0					
Chlorfluazuron (insect growth regulator)							
Avocado	328	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,715	0					
Chlorimuron ethyl (herbicide)							
Avocado	706	0			0.003 - 0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	2,801	0					
Chlorobenzilate (acaricide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Chloroneb (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Chlorothalonil (fungicide)							
Apples	704	0			0.005		NT
Blackberries, Fresh	685	3	0.4	0.085 - 0.49	0.020	V-3	NT
Blackberries, Frozen	24	0			0.020		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	518	0			0.040 - 0.16		NT
Pineapple, Frozen	<u>41</u>	<u>0</u>			0.040 - 0.16		NT
TOTAL	2,681	3					
Chlorotoluron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Chloroxuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Chlorpropham (herbicide, growth regulator)							
Apples	704	3	0.4	0.005 - 0.009	0.005	V-3	NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.020		NT
Blackberries, Frozen	24	0			0.020		NT
Cherry Tomatoes	529	4	0.8	0.005 - 0.008	0.005	V-4	NT
Cucumbers	708	20	2.8	0.002 - 0.010	0.001 - 0.005	V-20	NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	169	95.5	0.005 - 12	0.005		30
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>6</u>	0.9	0.001 - 0.007	0.001	V-6	NT
TOTAL	7,751	202					
Chlorpyrifos (insecticide)							
Apples	704	0			0.005		0.1 FH
Avocado	706	4	0.6	0.002 - 0.003	0.002 - 0.003		0.1 FH
Blackberries, Fresh	685	3	0.4	0.008 - 0.18	0.005		0.1 FH
Blackberries, Frozen	24	0			0.005		0.1 FH
Cherry Tomatoes	529	0			0.010		0.1 FH
Cucumbers	708	8	1.1	0.002 - 0.044	0.001 - 0.010		0.1 FH
Lettuce, Head	708	1	0.1	0.020	0.010		0.1 FH
Lettuce, Leaf	706	0			0.010		0.1 FH
Onions	708	0			0.001		0.5
Oranges	709	0			0.005		1.0
Pineapple, Fresh	656	0			0.003		0.1 FH
Pineapple, Frozen	52	0			0.003		0.1 FH
Potatoes	177	0			0.010		0.1 FH
Pumpkin, Canned	706	0			0.001		0.1 FH
Sweet Corn, Fresh	607	8	1.3	0.002 - 0.007	0.002		0.1 FH
Sweet Corn, Frozen	101	0			0.002		0.1 FH
Tomatillos	<u>679</u>	<u>12</u>	1.8	0.003 - 0.012	0.003		0.1 FH
TOTAL	9,165	36					
Chlorpyrifos oxygen analog (metabolite of Chlorpyrifos)							
Apples	704	0			0.010		0.1 TP
Avocado	706	0			0.001 - 0.002		0.1 TP
Blackberries, Fresh	685	0			0.002		0.1 TP
Blackberries, Frozen	24	0			0.002		0.1 TP
Cherry Tomatoes	529	0			0.005		0.1 TP
Cucumbers	708	0			0.001 - 0.005		0.1 TP
Lettuce, Head	708	0			0.004		0.1 TP

Pesticide / Commodity	Number of Samples	Samples		Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
		With Detections	% of Samples With Detections				
Lettuce, Leaf	706	0			0.004		0.1 TP
Onions	708	0			0.001		0.5 TP
Oranges	709	0			0.010		1.0 TP
Pineapple, Fresh	656	0			0.001		0.1 TP
Pineapple, Frozen	52	0			0.001		0.1 TP
Potatoes	177	0			0.005		0.1 TP
Pumpkin, Canned	706	0			0.001		0.1 TP
Sweet Corn, Fresh	607	0			0.002		0.1 TP
Sweet Corn, Frozen	101	0			0.002		0.1 TP
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.1 TP
TOTAL	9,165	0					
Chlorpyrifos methyl (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Chlorpyrifos methyl oxygen analog (metabolite of Chlorpyrifos methyl)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Chlorsulfuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>651</u>	<u>0</u>			0.001		NT
TOTAL	1,717	0					
Chlorthiophos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Clethodim (herbicide)							
Apples	704	0			0.010		0.20
Avocado	678	0			0.010 - 0.050		NT
Cherry Tomatoes	500	0			0.035		1.0
Cucumbers	650	0			0.008 - 0.035		0.50
Lettuce, Head	708	0			0.005		2.0
Lettuce, Leaf	706	1	0.1	0.010	0.005		2.0
Onions	708	0			0.008		0.50
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.035		1.0
Pumpkin, Canned	706	0			0.002		0.50
Sweet Corn, Fresh	607	0			0.050		NT
Sweet Corn, Frozen	101	0			0.050		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		1.0
TOTAL	8,341	1					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Clethodim 5-OH sulfone (metabolite of Clethodim)							
Cherry Tomatoes	529	0			0.10		1.0
Cucumbers	348	0			0.10		0.50
Potatoes	<u>177</u>	<u>0</u>			0.10		1.0
TOTAL	1,054	0					
Clethodim sulfone (metabolite of Clethodim)							
Cherry Tomatoes	500	0			0.040		1.0
Cucumbers	319	0			0.040		0.50
Potatoes	<u>177</u>	<u>0</u>			0.040		1.0
TOTAL	996	0					
Clethodim sulfoxide (metabolite of Clethodim)							
Cherry Tomatoes	529	0			0.040		1.0
Cucumbers	348	0			0.040		0.50
Potatoes	<u>177</u>	<u>0</u>			0.040		1.0
TOTAL	1,054	0					
Clodinafop propargyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Clofentezine (insecticide)							
Avocado	706	0			0.005 - 0.050		0.30
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Sweet Corn, Fresh	607	0			0.050		NT
Sweet Corn, Frozen	101	0			0.050		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	4,215	0					
Clomazone (herbicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	708	0			0.002 - 0.020		0.05
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		NT
Pumpkin, Canned	706	0			0.002		0.05
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,751	0					
Cloquintocet-mexyl (herbicide safener)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Cloransulam methyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Clothianidin (insecticide) (also a metabolite of Thiamethoxam)							
Apples	704	1	0.1	0.014	0.010		1.0
Avocado	706	0			0.001 - 0.020		0.40 MP
Blackberries, Fresh	685	1	0.1	0.015	0.010		0.35 MP
Blackberries, Frozen	24	0			0.010		0.35 MP
Cherry Tomatoes	529	0			0.035		0.25 MP
Cucumbers	708	43	6.1	0.003 - 0.020	0.002 - 0.035		0.2 MP
Lettuce, Head	708	1	0.1	0.022	0.020		4.0 MP
Lettuce, Leaf	706	7	1	0.021 - 0.035	0.020		4.0 MP
Onions	708	3	0.4	0.003	0.002		0.45
Oranges	709	1	0.1	0.011	0.010		0.40 MP
Pineapple, Fresh	656	1	0.2	0.005	0.001		0.04 MP
Pineapple, Frozen	52	0			0.001		0.04 MP
Potatoes	177	0			0.035		0.3
Pumpkin, Canned	706	2	0.3	0.003 - 0.009	0.002		0.2 MP
Sweet Corn, Fresh	607	0			0.020		0.02 MP
Sweet Corn, Frozen	101	0			0.020		0.02 MP
Tomatillos	<u>679</u>	<u>125</u>	18.4	0.001 - 0.043	0.001		0.25 MP
TOTAL	9,165	185					
Coumaphos (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cucumbers	360	0			0.002		NT
Onions	708	0			0.002 - 0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,641	0					
Coumaphos oxygen analog (metabolite of Coumaphos)							
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cucumbers	360	0			0.003		NT
Onions	708	0			0.003		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,228	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Crotoxyphos (insecticide, acaricide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Crufomate (insecticide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Cumyluron (herbicide)							
Apples	704	0			0.010		NT
Oranges	<u>709</u>	<u>0</u>			0.010		NT
TOTAL	1,413	0					
Cyanazine (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Cyantraniliprole (insecticide)							
Avocado	706	0			0.003 - 0.005		0.4 OT
Cherry Tomatoes	529	0			0.20		2.0
Cucumbers	708	7	1	0.004 - 0.055	0.002 - 0.20		0.70
Lettuce, Head	708	1	0.1	0.28	0.015		20
Lettuce, Leaf	706	19	2.7	0.016 - 0.86	0.015		20
Onions	708	0			0.008		0.04
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.20		0.15
Pumpkin, Canned	706	0			0.002		0.70
Sweet Corn, Fresh	607	0			0.005		0.01
Sweet Corn, Frozen	101	0			0.005		0.01
Tomatillos	<u>679</u>	<u>25</u>	3.7	0.003 - 0.008	0.003		2.0
TOTAL	7,043	52					
Cyazofamid (fungicide)							
Avocado	706	0			0.010		NT
Cherry Tomatoes	529	3	0.6	0.023 - 0.041	0.020		0.9
Cucumbers	708	16	2.3	0.010 - 0.17	0.006 - 0.020	X-1	0.10
Lettuce, Head	708	3	0.4	0.005 - 0.014	0.005		10
Lettuce, Leaf	706	28	4	0.007 - 1.6	0.005		10
Onions	708	0			0.006		2.0
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.020		0.02
Pumpkin, Canned	706	0			0.006		0.10
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.9
TOTAL	7,043	50					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cyfluniliprole (insecticide)							
Avocado	706	0			0.005 - 0.010		EX1
Cherry Tomatoes	529	0			0.020		0.7
Cucumbers	348	0			0.020 - 0.10		0.3
Lettuce, Head	708	1	0.1	0.070	0.010		15
Lettuce, Leaf	706	2	0.3	0.19 - 0.20	0.010		15
Pineapple, Fresh	656	0			0.005		EX1
Pineapple, Frozen	52	0			0.005		EX1
Potatoes	177	0			0.020		0.01
Sweet Corn, Fresh	607	0			0.010		EX1
Sweet Corn, Frozen	101	0			0.010		EX1
Tomatillos	<u>679</u>	<u>0</u>			0.005		0.7
TOTAL	5,269	3					
Cyflufenamid (fungicide)							
Apples	704	0			0.010		0.06
Avocado	706	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.020		0.20
Cucumbers	708	9	1.3	0.002 - 0.010	0.001 - 0.020		0.10
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	6	0.8	0.002 - 0.003	0.001		0.10
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.20
TOTAL	8,456	15					
Cyflumetofen (acaricide)							
Avocado	358	0			0.040		NT
Cherry Tomatoes	529	10	1.9	0.017 - 0.043	0.015		0.7
Cucumbers	708	2	0.3	0.010 - 0.027	0.005 - 0.015		0.3
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.002 - 0.005		NT
Potatoes	177	0			0.015		NT
Pumpkin, Canned	706	0			0.002		0.3
Tomatillos	<u>679</u>	<u>0</u>			0.040		0.7
TOTAL	5,279	12					
Cyfluthrin (insecticide)							
Apples	704	19	2.7	0.006 - 0.027	0.005		0.5
Avocado	706	0			0.010		0.05 FH
Blackberries, Fresh	685	0			0.004		0.05 FH
Blackberries, Frozen	24	0			0.004		0.05 FH
Cherry Tomatoes	529	0			0.020		0.20
Cucumbers	708	0			0.020 - 0.025		0.1
Lettuce, Head	708	1	0.1	0.012	0.012		2.0
Lettuce, Leaf	706	31	4.4	0.013 - 1.3	0.012		3.0
Onions	708	0			0.008		0.05 FH
Oranges	709	0			0.005		0.2
Pineapple, Fresh	656	0			0.010		0.05 FH

Pesticide / Commodity	Number of Samples	Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		Detections	Detections				Tolerance Level, ppm
Pineapple, Frozen	52	0			0.010		0.05 FH
Potatoes	177	0			0.020		0.05 FH
Pumpkin, Canned	706	0			0.025		0.1
Sweet Corn, Fresh	607	1	0.2	0.030	0.010		0.05
Sweet Corn, Frozen	101	0			0.010		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.20
TOTAL	9,165	52					
Cyhalothrin, Total (Cyhalothrin-L + R157836 epimer) (insecticide)							
Apples	704	38	5.4	0.008 - 0.041	0.008		0.30
Avocado	706	0			0.003 - 0.040		0.20 OT
Blackberries, Fresh	685	16	2.3	0.007 - 0.31	0.005	X-6	0.01 FH
Blackberries, Frozen	24	3	12.5	0.009 - 0.016	0.005		0.01 FH
Cherry Tomatoes	529	4	0.8	0.020 - 0.028	0.015		0.1
Cucumbers	708	19	2.7	0.005 - 0.047	0.003 - 0.015		0.05
Lettuce, Head	708	2	0.3	0.037 - 0.053	0.030		2.0
Lettuce, Leaf	706	72	10.2	0.030 - 0.52	0.030		2.0
Onions	708	0			0.010		0.1
Oranges	709	0			0.008		0.01 FH
Pineapple, Fresh	656	0			0.003		0.01 FH
Pineapple, Frozen	52	0			0.003		0.01 FH
Potatoes	177	0			0.015		0.02
Pumpkin, Canned	706	0			0.003		0.05
Sweet Corn, Fresh	607	0			0.010		0.05
Sweet Corn, Frozen	101	0			0.010		0.05
Tomatillos	<u>679</u>	<u>9</u>	1.3	0.003 - 0.006	0.003		0.1
TOTAL	9,165	163					
Cymoxanil (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.010 - 0.020		NT
Blackberries, Fresh	685	7	1	0.005 - 0.046	0.005		4.0
Blackberries, Frozen	24	0			0.005		4.0
Cherry Tomatoes	529	0			0.010		0.2
Cucumbers	348	1	0.3	0.018	0.010		0.05
Lettuce, Head	708	0			0.025		19
Lettuce, Leaf	706	6	0.8	0.051 - 0.26	0.025		19
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.020		0.05
Sweet Corn, Fresh	580	0			0.020		NT
Sweet Corn, Frozen	98	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.2
TOTAL	7,361	14					
Cypermethrin (insecticide)							
Apples	704	8	1.1	0.014 - 0.059	0.010		2
Avocado	706	1	0.1	0.021	0.010 - 0.020		0.50
Blackberries, Fresh	685	264	38.5	0.010 - 6.2	0.010	X-8	0.8
Blackberries, Frozen	24	9	37.5	0.025 - 0.23	0.010		0.8
Cherry Tomatoes	529	3	0.6	0.038 - 0.22	0.035		0.2
Cucumbers	708	6	0.8	0.035 - 0.099	0.022 - 0.035		0.2
Lettuce, Head	708	0			0.20		10
Lettuce, Leaf	706	7	1	0.23 - 1.7	0.20		10
Onions	708	0			0.022		0.1
Oranges	709	0			0.010		0.3

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Fresh	656	0			0.020		0.05 FH
Pineapple, Frozen	52	0			0.020		0.05 FH
Potatoes	177	0			0.035		0.1
Pumpkin, Canned	706	0			0.022 - 0.075		0.2
Sweet Corn, Fresh	607	0			0.010		0.05
Sweet Corn, Frozen	101	0			0.010		0.05
Tomatillos	679	1	0.1	0.039	0.020		0.2
TOTAL	9,165	299					
Cyphenothrin (insecticide)							
Apples	704	0			0.008		NT
Avocado	676	0			0.020 - 0.10		NT
Blackberries, Fresh	685	0			0.015		NT
Blackberries, Frozen	24	0			0.015		NT
Cherry Tomatoes	529	0			0.060		NT
Cucumbers	348	0			0.060		NT
Lettuce, Head	708	0			0.10		NT
Lettuce, Leaf	706	1	0.1	0.23	0.10	V-1	NT
Oranges	709	0			0.008		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.060		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	679	0			0.010		NT
TOTAL	7,361	1					
Cyprazine (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001 - 0.003		NT
Pineapple, Frozen	52	0			0.001 - 0.003		NT
Tomatillos	679	0			0.001		NT
TOTAL	1,745	0					
Cyproconazole (fungicide)							
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.010 - 0.020		NT
Blackberries, Frozen	24	0			0.010 - 0.020		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	679	4	0.6	0.003 - 0.004	0.001	V-4	NT
TOTAL	4,922	4					
Cyprodinil (fungicide)							
Apples	704	25	3.6	0.005 - 0.096	0.005		1.7
Avocado	706	0			0.003 - 0.010		1.2
Blackberries, Fresh	685	109	15.9	0.005 - 1.6	0.005		10
Blackberries, Frozen	24	9	37.5	0.011 - 0.23	0.005		10
Cherry Tomatoes	529	65	12.3	0.016 - 0.24	0.015		1.5
Cucumbers	708	43	6.1	0.002 - 0.078	0.001 - 0.015		0.70
Lettuce, Head	708	0			0.010		50
Lettuce, Leaf	706	1	0.1	0.013	0.010		50

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Onions	708	0			0.001		0.6
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.015		0.01
Pumpkin, Canned	706	5	0.7	0.002	0.001		0.70
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>6</u>	0.9	0.003 - 0.009	0.003		1.5
TOTAL	9,165	263					
Cyprosulfamide (herbicide safener)							
Avocado	706	0			0.003 - 0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Sweet Corn, Fresh	607	0			0.010		0.01
Sweet Corn, Frozen	101	0			0.010		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	2,801	0					
Cyromazine (insect growth regulator)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.10		0.8
Tomatillos	<u>679</u>	<u>89</u>	13.1	0.006 - 0.78	0.005		1
TOTAL	1,922	89					
Daimuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
DCPA (herbicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	1	0.1	0.002	0.002	V-1	NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.020		1.0
Cucumbers	708	0			0.001 - 0.020		1.0 IN
Lettuce, Head	708	6	0.8	0.001 - 0.003	0.001		2.0 IN
Lettuce, Leaf	706	178	25.2	0.001 - 0.029	0.001		2.0 IN
Onions	708	0			0.001		1.0
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		2.0 IN
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.002		0.05 IN
Sweet Corn, Frozen	101	0			0.002		0.05 IN
Tomatillos	<u>679</u>	<u>0</u>			0.001		1.0
TOTAL	9,165	185					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
DEET (N,N-diethyl-m-toluamide) (insect repellent)							
Cherry Tomatoes	529	0			0.025		NT
Cucumbers	<u>348</u>	<u>0</u>			0.025		NT
TOTAL	877	0					
DEF - Tribufos (herbicide, plant growth regulator)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Deltamethrin (includes parent Tralomethrin) (insecticide)							
Apples	704	0			0.008		0.2
Avocado	706	1	0.1	0.088	0.001 - 0.010	X-1	0.05 FH
Blackberries, Fresh	685	0			0.015		0.05 FH
Blackberries, Frozen	24	0			0.015		0.05 FH
Cherry Tomatoes	529	0			0.070		0.2
Cucumbers	708	0			0.012 - 0.070		0.2
Lettuce, Head	708	0			0.035		0.05 FH
Lettuce, Leaf	706	0			0.035		0.05 FH
Onions	708	0			0.012		0.1
Oranges	709	0			0.008		0.30 OT
Pineapple, Fresh	656	0			0.001		0.05 FH
Pineapple, Frozen	52	0			0.001		0.05 FH
Potatoes	177	0			0.070		0.05 FH
Pumpkin, Canned	706	0			0.012 - 0.040		0.2
Sweet Corn, Fresh	607	3	0.5	0.011 - 0.16	0.010	X-2	0.05 FH
Sweet Corn, Frozen	101	0			0.010		0.05 FH
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.002	0.001		0.2
TOTAL	9,165	5					
Demeton-O (insecticide) (isomer of Demeton)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001 - 0.003		NT
TOTAL	1,745	0					
Demeton-S (isomer of Demeton)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Demeton-S methyl (metabolite of Demeton-S)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Demeton-S sulfone (metabolite of Demeton-S)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Demeton-S sulfoxide (metabolite of Demeton-S)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Desethyl atrazine (herbicide) (metabolite of Atrazine)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Desmedipham (herbicide)							
Cherry Tomatoes	529	0			0.060		NT
Cucumbers	348	0			0.060		NT
Potatoes	<u>177</u>	<u>0</u>			0.060		NT
TOTAL	1,054	0					
Desmetryn (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Dialifos (insecticide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Diazinon (insecticide)							
Apples	704	41	5.8	0.002 - 0.099	0.002		0.50
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	10	1.5	0.005 - 0.017	0.005		0.75
Blackberries, Frozen	24	0			0.005		0.75
Cherry Tomatoes	529	2	0.4	0.012 - 0.024	0.010		0.75
Cucumbers	708	4	0.6	0.002 - 0.040	0.001 - 0.010		0.75 OT
Lettuce, Head	708	2	0.3	0.002	0.001		0.70
Lettuce, Leaf	706	3	0.4	0.001 - 0.003	0.001		0.70
Onions	708	0			0.001		0.75
Oranges	709	0			0.002		NT
Pineapple, Fresh	656	1	0.2	0.002	0.001		0.50
Pineapple, Frozen	52	0			0.001		0.50
Potatoes	177	0			0.010		0.10 OT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.002	0.001		0.75
TOTAL	9,165	64					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Diazinon oxygen analog (metabolite of Diazinon)							
Apples	704	0			0.001		0.50 TP
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.010		0.75 TP
Cucumbers	708	0			0.001 - 0.010		0.75 TP
Lettuce, Head	708	0			0.003		0.70 TP
Lettuce, Leaf	706	0			0.003		0.70 TP
Onions	708	0			0.001		0.75 TP
Oranges	709	0			0.001		NT
Pineapple, Fresh	656	0			0.001		0.50 TP
Pineapple, Frozen	52	0			0.001		0.50 TP
Potatoes	177	0			0.010		0.10 TP
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.75 TP
TOTAL	7,400	0					
Dichlobenil (herbicide)							
Apples	704	0			0.005		0.5
Avocado	706	0			0.001		NT
Blackberries, Fresh	685	0			0.010		0.10
Blackberries, Frozen	24	0			0.010		0.10
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,165	0					
Dichlofenthion (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Dichlormid (herbicide safener)							
Avocado	706	0			0.005 - 0.020		NT
Cherry Tomatoes	529	0			0.040		0.05
Cucumbers	348	0			0.040		0.05
Lettuce, Head	708	0			0.003		0.05
Lettuce, Leaf	706	0			0.003		0.05
Pineapple, Fresh	656	0			0.020		NT
Pineapple, Frozen	52	0			0.020		NT
Potatoes	177	0			0.040		0.05
Sweet Corn, Fresh	607	0			0.005		0.05
Sweet Corn, Frozen	101	0			0.005		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.020		0.05
TOTAL	5,269	0					

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Dichlorobenzophenone o,p' (insecticide) (also a breakdown product of Dicofol)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Dichlorobenzophenone p,p' (insecticide) (also a breakdown product of Dicofol)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Dichlorvos - DDVP (insecticide) (also a metabolite of Naled)							
Apples	704	0			0.010		0.5 MP
Avocado	706	0			0.001 - 0.040		0.5 MP
Blackberries, Fresh	685	0			0.020		0.5 MP
Blackberries, Frozen	24	0			0.020		0.5 MP
Cherry Tomatoes	529	0			0.010		0.5 MP
Cucumbers	708	1	0.1	0.005	0.003 - 0.010		0.5 MP
Lettuce, Head	708	0			0.025		0.5 MP
Lettuce, Leaf	706	0			0.025		0.5 MP
Onions	708	0			0.003		0.5 MP
Oranges	709	0			0.010		3 MP
Pineapple, Fresh	656	0			0.040		0.5 MP
Pineapple, Frozen	52	0			0.040		0.5 MP
Potatoes	177	0			0.010		0.5 MP
Pumpkin, Canned	706	0			0.003		0.5 MP
Sweet Corn, Fresh	607	0			0.001		0.5 MP
Sweet Corn, Frozen	101	0			0.001		0.5 MP
Tomatillos	<u>679</u>	<u>0</u>			0.040		0.5 MP
TOTAL	9,165	1					
Diclobutrazol (fungicide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Diclofop methyl (herbicide)							
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	2,454	0					
Dicloran (fungicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	0			0.016		NT
Blackberries, Frozen	24	0			0.016		NT
Cherry Tomatoes	529	0			0.020		5
Cucumbers	708	0			0.002 - 0.020		5

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Lettuce, Head	708	0			0.030		10
Lettuce, Leaf	706	2	0.3	0.052 - 0.053	0.030		10
Onions	708	2	0.3	0.028 - 0.031	0.002		10
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		0.25 OT
Pumpkin, Canned	706	0			0.002		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		5
TOTAL	9,165	4					
Diclosulam (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Dicofol (insecticide)							
Lettuce, Head	708	0			0.004		NT
Lettuce, Leaf	<u>706</u>	<u>0</u>			0.004		NT
TOTAL	1,414	0					
Dicofol o,p' (isomer of Dicofol)							
Potatoes	<u>177</u>	<u>0</u>			0.015		NT
TOTAL	177	0					
Dicofol p,p' (isomer of Dicofol)							
Avocado	348	6	1.7	0.001 - 0.040	0.001	V-6	NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cucumbers	360	0			0.001		NT
Onions	708	0			0.001		NT
Potatoes	177	0			0.025		NT
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	14	2.3	0.001 - 0.055	0.001	V-14	NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.001		NT
TOTAL	3,716	20					
Dicrotophos (insecticide)							
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.003		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,519	0					
Diethofencarb (fungicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Difenoconazole (fungicide)							
Apples	704	18	2.6	0.005 - 0.27	0.005		5.0
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	3	0.4	0.013 - 0.049	0.010	V-3	NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	185	35	0.005 - 0.28	0.005		0.60
Cucumbers	708	16	2.3	0.002 - 0.026	0.001 - 0.005		0.70
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	5	0.7	0.001 - 0.003	0.001	V-5	NT
Onions	708	1	0.1	0.002	0.001		0.20
Oranges	709	0			0.005		0.60
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	19	10.7	0.005 - 1.4	0.005		4.0
Pumpkin, Canned	706	5	0.7	0.002 - 0.004	0.001		0.70
Sweet Corn, Fresh	607	0			0.002		0.01
Sweet Corn, Frozen	101	0			0.002		0.01
Tomatillos	<u>679</u>	<u>27</u>	4	0.001 - 0.025	0.001		0.60
TOTAL	9,165	279					
Diffubenzuron (insecticide)							
Avocado	706	0			0.001 - 0.020		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.040		NT
Cucumbers	708	0			0.001 - 0.040		NT
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.003 - 0.006		NT
Pineapple, Fresh	656	1	0.2	0.002	0.001	V-1	NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.080		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.001	0.001	V-1	NT
TOTAL	7,752	2					
Diffufenzopyr (herbicide)							
Sweet Corn, Fresh	87	0			0.050		0.05
Sweet Corn, Frozen	<u>31</u>	<u>0</u>			0.050		0.05
TOTAL	118	0					
Dimepiperate (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Dimethenamid (herbicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Onions	708	0			0.001		0.01
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.01
Pumpkin, Canned	706	0			0.001		0.01 OT
Sweet Corn, Fresh	607	0			0.005		0.01
Sweet Corn, Frozen	101	0			0.005		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,751	0					
Dimethipin (plant growth regulator)							
Avocado	358	0			0.020		NT
Pineapple, Fresh	656	0			0.020		NT
Pineapple, Frozen	52	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.020		NT
TOTAL	1,745	0					
Dimethoate (insecticide) (parent of Omethoate)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	6	0.9	0.009 - 0.34	0.005	V-6	NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.005		2.0
Cucumbers	693	2	0.3	0.005 - 0.007	0.001 - 0.005	V-2	NT
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	1	0.1	0.008	0.005		2.0
Onions	708	0			0.003 - 0.006		NT
Oranges	709	0			0.010		2.0
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.2
Pumpkin, Canned	687	0			0.001		NT
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>3</u>	0.4	0.002 - 0.003	0.001		2.0
TOTAL	9,131	12					
Dimethomorph (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.003 - 0.004		NT
Blackberries, Fresh	685	4	0.6	0.004 - 0.039	0.003	V-4	NT
Blackberries, Frozen	24	0			0.003		NT
Cherry Tomatoes	529	5	0.9	0.018 - 0.12	0.010		1.5
Cucumbers	708	73	10.3	0.002 - 0.026	0.001 - 0.010		0.5
Lettuce, Head	708	33	4.7	0.010 - 0.14	0.010		30.0
Lettuce, Leaf	706	158	22.4	0.010 - 5.9	0.010		30.0
Onions	708	3	0.4	0.002	0.001 - 0.003		0.6
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		0.05
Pumpkin, Canned	706	0			0.001		0.5
Sweet Corn, Fresh	607	0			0.004		NT
Sweet Corn, Frozen	101	0			0.004		NT
Tomatillos	<u>679</u>	<u>3</u>	0.4	0.004 - 0.005	0.003		1.5
TOTAL	9,165	279					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Dimethylvinphos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Dimetilan (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Dimoxystrobin (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Diniconazole (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Dinotefuran (insecticide)							
Apples	704	0			0.010		0.01 FH
Avocado	706	0			0.003 - 0.020		0.01 FH
Blackberries, Fresh	685	0			0.003		0.01 FH
Blackberries, Frozen	24	0			0.003		0.01 FH
Cherry Tomatoes	529	32	6	0.015 - 0.15	0.015		0.7
Cucumbers	708	78	11	0.010 - 0.21	0.006 - 0.015		0.5
Lettuce, Head	708	0			0.030		5.0
Lettuce, Leaf	706	1	0.1	0.19	0.030		5.0
Onions	708	2	0.3	0.024 - 0.025	0.006 - 0.020		0.15
Oranges	709	0			0.010		0.01 FH
Pineapple, Fresh	656	0			0.003		0.01 FH
Pineapple, Frozen	52	0			0.003		0.01 FH
Potatoes	177	0			0.015		0.05
Pumpkin, Canned	706	0			0.006		0.5
Sweet Corn, Fresh	607	0			0.020		0.01 FH
Sweet Corn, Frozen	101	0			0.020		0.01 FH
Tomatillos	<u>679</u>	<u>22</u>	3.2	0.003 - 0.039	0.003		0.7
TOTAL	9,165	135					
Dioxacarb (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Dioxathion (insecticide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Diphenamid (herbicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.002		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,932	0					
Diphenylamine - DPA (plant growth regulator)							
Apples	704	470	66.8	0.005 - 2.7	0.005		10.0 OT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	1	0.1	0.005	0.002	V-1	NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	708	0			0.003 - 0.020		NT
Lettuce, Head	708	1	0.1	0.014	0.010	V-1	NT
Lettuce, Leaf	706	0			0.010		NT
Onions	708	0			0.003		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		NT
Pumpkin, Canned	706	0			0.003 - 0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	8,109	472					
Dipropetryn (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Disulfoton (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	501	0			0.10		NT
Cucumbers	319	0			0.10 - 0.20		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.050		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,155	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Disulfoton oxygen analog (metabolite of Disulfoton)							
Avocado	348	0			0.001		NT
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001 - 0.004		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.001		NT
TOTAL	4,593	0					
Disulfoton sulfone (metabolite of Disulfoton)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.020		NT
Blackberries, Frozen	24	0			0.020		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Onions	708	0			0.001 - 0.006		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,695	0					
Disulfoton sulfone oxygen analog (metabolite of Disulfoton)							
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.010		NT
TOTAL	1,054	0					
Disulfoton sulfoxide (metabolite of Disulfoton)							
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,282	0					
Disulfoton sulfoxide oxygen analog (metabolite of Disulfoton)							
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.010		NT
TOTAL	1,054	0					
Ditalimfos (fungicide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Dithiopyr (herbicide)							
Avocado	358	0			0.005		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	2,799	0					
Diuron (herbicide)							
Avocado	706	0			0.010		NT
Blackberries, Fresh	685	16	2.3	0.002 - 0.016	0.002		0.1
Blackberries, Frozen	24	0			0.002		0.1
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.004 - 0.010		NT
Lettuce, Head	708	0			0.006		NT
Lettuce, Leaf	706	0			0.006		NT
Onions	708	0			0.004		NT
Pineapple, Fresh	656	0			0.010		0.1
Pineapple, Frozen	52	0			0.010		0.1
Potatoes	177	0			0.015		NT
Pumpkin, Canned	706	0			0.004		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	7,752	16					
DMST (4-dimethylaminosulphotosluidide) (fungicide) (metabolite of Tolyfluanid)							
Tomatillos	<u>679</u>	<u>0</u>			0.003		2.0 TP
TOTAL	679	0					
Dodine (fungicide)							
Avocado	706	0			0.002 - 0.010		NT
Lettuce, Head	88	0			0.005		NT
Lettuce, Leaf	59	0			0.005		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	2,948	0					
Edifenphos (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Emamectin (insecticide)							
Avocado	358	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.02
TOTAL	1,745	0					
Emamectin benzoate ¹ (insecticide)							
Apples	704	0			0.010		0.02
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cucumbers	360	1	0.3	0.002	0.001		0.02
Lettuce, Head	708	1	0.1	0.002	0.001		1
Lettuce, Leaf	706	2	0.3	0.001 - 0.002	0.001		1
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.010		NT
Pumpkin, Canned	<u>706</u>	<u>0</u>			0.001 - 0.003		0.02
TOTAL	5,310	4					
Endosulfan I (insecticide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	658	0			0.010		NT
Blackberries, Frozen	22	0			0.010		NT
Cherry Tomatoes	529	0			0.025		NT
Cucumbers	708	0			0.005 - 0.025		NT
Lettuce, Head	708	0			0.006		NT
Lettuce, Leaf	706	0			0.006		NT
Onions	708	0			0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.025		0.2 OT
Pumpkin, Canned	706	0			0.005		NT
Sweet Corn, Fresh	607	4	0.7	0.012 - 0.027	0.010	V-4	NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,136	4					
Endosulfan II (isomer of Endosulfan)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.015		NT
Blackberries, Frozen	24	0			0.015		NT
Cherry Tomatoes	529	0			0.030		NT
Cucumbers	708	0			0.004 - 0.030		NT
Lettuce, Head	708	0			0.008		NT
Lettuce, Leaf	706	0			0.008		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.030		0.2 OT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	1	0.2	0.014	0.010	V-1	NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,165	1					

		Samples With	% of Samples With				EPA
Pesticide / Commodity	Number of Samples	Detections	Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	Tolerance Level, ppm
Endosulfan sulfate (metabolite of Endosulfan)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.020		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.030		NT
Cucumbers	708	0			0.018 - 0.030		NT
Lettuce, Head	708	0			0.008		NT
Lettuce, Leaf	706	0			0.008		NT
Onions	708	0			0.005 - 0.018		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.030		0.2 OT
Pumpkin, Canned	706	0			0.005 - 0.018		NT
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	679	0			0.001		NT
TOTAL	9,165	0					
EPN (insecticide)							
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.040		NT
Cucumbers	348	0			0.040		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.040		NT
Tomatillos	679	0			0.003		NT
TOTAL	2,799	0					
Epoxiconazole (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	679	1	0.1	0.002	0.001	V-1	NT
TOTAL	1,745	1					
EPTC (herbicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.005 - 0.010		NT
Cherry Tomatoes	529	0			0.070		0.08
Cucumbers	708	0			0.001 - 0.070		NT
Lettuce, Head	708	0			0.003		NT
Lettuce, Leaf	706	0			0.003		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		0.1
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.035		0.1
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.005		0.08
Sweet Corn, Frozen	101	0			0.005		0.08
Tomatillos	679	0			0.010		0.08
TOTAL	8,456	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Esfenvalerate+Fenvalerate Total (insecticide)							
Apples	704	0			0.005		1.0
Avocado	348	2	0.6	0.018 - 0.024	0.010		0.05 FH
Blackberries, Fresh	685	0			0.005		1.0
Blackberries, Frozen	24	1	4.2	0.006	0.005		1.0
Cucumbers	360	0			0.002		0.5
Lettuce, Head	708	0			0.040		5.0 OT
Lettuce, Leaf	706	0			0.040		0.05 FH
Onions	708	0			0.002		0.05 FH
Oranges	709	0			0.005		0.05 FH
Pumpkin, Canned	706	0			0.002 - 0.008		0.5
Sweet Corn, Fresh	607	3	0.5	0.019 - 0.12	0.010		0.1
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.010		0.1
TOTAL	6,366	6					
Esfenvalerate (isomer of Fenvalerate)							
Avocado	358	0			0.005		0.05 FH
Cherry Tomatoes	529	5	0.9	0.015 - 0.026	0.015		0.5
Cucumbers	348	0			0.015		0.5
Pineapple, Fresh	656	0			0.005		0.05 FH
Pineapple, Frozen	52	0			0.005		0.05 FH
Potatoes	177	0			0.015		0.05 FH
Tomatillos	<u>679</u>	<u>0</u>			0.005		0.5
TOTAL	2,799	5					
Esprocarb (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Ethaboxam (fungicide)							
Avocado	706	0			0.005		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	708	49	6.9	0.002 - 0.10	0.001 - 0.020		0.30
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Onions	708	0			0.001 - 0.003		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.020		0.01
Pumpkin, Canned	706	0			0.001		0.30
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	7,043	49					
Ethalfuralin (herbicide)							
Avocado	706	0			0.001 - 0.003		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.002 - 0.010		0.05
Onions	708	0			0.002		0.01
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Potatoes	177	0			0.010		0.01
Pumpkin, Canned	706	0			0.002		0.05
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	6,338	0					
Ethametsulfuron methyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Ethidimuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Ethiofencarb (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.003		NT
Cucumbers	360	0			0.002 - 0.008		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Pumpkin, Canned	706	0			0.002 - 0.015		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	4,932	0					
Ethiofencarb sulfone (metabolite of Ethiofencarb)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Ethiofencarb sulfoxide (metabolite of Ethiofencarb)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Ethion (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,986	0					
Ethiprole (insecticide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Ethofumesate (herbicide)							
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Lettuce, Head	708	0			0.015		NT
Lettuce, Leaf	706	0			0.015		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	4,213	0					
Ethoprop (insecticide)							
Apples	684	0			0.010		NT
Avocado	706	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		0.02
Onions	708	0			0.001		NT
Oranges	689	0			0.010		NT
Pineapple, Fresh	656	0			0.001		0.02 OT
Pineapple, Frozen	52	0			0.001		0.02 OT
Potatoes	177	0			0.005		0.02
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	0			0.005		0.02
Sweet Corn, Frozen	101	0			0.005		0.02
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,002	0					
Ethoxyquin (plant growth regulator)							
Lettuce, Head	708	0			0.16		NT
Lettuce, Leaf	706	0			0.16		NT
Sweet Corn, Fresh	607	0			0.006		NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.006		NT
TOTAL	2,122	0					
Ethylan - Perthane (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Etofenprox (insecticide)							
Avocado	648	0			0.001 - 0.010		5.0 FH
Blackberries, Fresh	685	0			0.025		5.0 FH
Blackberries, Frozen	24	0			0.025		5.0 FH

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cherry Tomatoes	529	0			0.010		5.0 FH
Cucumbers	708	0			0.003 - 0.010		5.0 FH
Lettuce, Head	708	0			0.008		5.0 FH
Lettuce, Leaf	706	0			0.008		5.0 FH
Onions	708	0			0.001		5.0 FH
Pineapple, Fresh	629	0			0.001		5.0 FH
Pineapple, Frozen	50	0			0.001		5.0 FH
Potatoes	177	0			0.010		5.0 FH
Pumpkin, Canned	706	0			0.003		5.0 FH
Sweet Corn, Fresh	607	0			0.010		5.0 FH
Sweet Corn, Frozen	101	0			0.010		5.0 FH
Tomatillos	<u>679</u>	<u>0</u>			0.001		5.0 FH
TOTAL	7,665	0					
Etoxazole (acaricide)							
Apples	704	20	2.8	0.004 - 0.036	0.004		0.20
Avocado	706	0			0.001		0.20
Cherry Tomatoes	529	0			0.10		0.20
Cucumbers	708	51	7.2	0.002 - 0.042	0.001 - 0.10	X-2	0.02
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.004		0.10 OT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.10		NT
Pumpkin, Canned	706	0			0.001		0.02
Sweet Corn, Fresh	607	0			0.001		0.01
Sweet Corn, Frozen	101	0			0.001		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.20
TOTAL	8,456	71					
Etridiazole (fungicide)							
Apples	704	0			0.005		NT
Avocado	348	0			0.002		NT
Cherry Tomatoes	529	0			0.015		0.15
Cucumbers	348	0			0.015		NT
Oranges	709	0			0.005		NT
Potatoes	177	0			0.015		NT
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002		NT
TOTAL	3,523	0					
Etrifos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Famoxadone (fungicide)							
Avocado	706	0			0.010 - 0.25		NT
Blackberries, Fresh	685	9	1.3	0.030 - 0.43	0.025		10
Blackberries, Frozen	24	0			0.025		10
Cherry Tomatoes	529	0			0.10		1.0
Cucumbers	708	9	1.3	0.004 - 0.032	0.002 - 0.10		0.30
Lettuce, Head	708	1	0.1	0.091	0.030		25

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Lettuce, Leaf	706	33	4.7	0.040 - 3.2	0.030		25
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.10		0.02
Pumpkin, Canned	706	0			0.008 - 0.015		0.30
Sweet Corn, Fresh	607	0			0.25		NT
Sweet Corn, Frozen	101	0			0.25		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.011	0.010		1.0
TOTAL	7,044	53					
Famphur (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Fenamidone (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	2	0.4	0.015 - 0.046	0.015		1.0
Cucumbers	708	2	0.3	0.004 - 0.012	0.002 - 0.015		0.15
Lettuce, Head	708	25	3.5	0.008 - 0.062	0.008		60
Lettuce, Leaf	706	91	12.9	0.009 - 6.0	0.008		60
Onions	708	0			0.002		0.20
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		0.02
Pumpkin, Canned	706	0			0.002		0.15
Sweet Corn, Fresh	607	0			0.001		0.1 IN
Sweet Corn, Frozen	101	0			0.001		0.1 IN
Tomatillos	<u>679</u>	<u>0</u>			0.001		1.0
TOTAL	9,165	120					
Fenamiphos (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Lettuce, Head	708	0			0.003		NT
Lettuce, Leaf	706	0			0.003		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		0.3 OT
Pineapple, Frozen	52	0			0.001		0.3 OT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,400	0					
Fenamiphos sulfone (metabolite of Fenamiphos)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cucumbers	708	1	0.1	0.018	0.002 - 0.005	V-1	NT
Lettuce, Head	708	0			0.003		NT
Lettuce, Leaf	706	0			0.003		NT
Onions	708	0			0.002 - 0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		0.3 OT
Pineapple, Frozen	52	0			0.001		0.3 OT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,400	1					
Fenamiphos sulfoxide (metabolite of Fenamiphos)							
Apples	704	0			0.005		NT
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	2	0.3	0.010 - 0.051	0.002 - 0.005	V-2	NT
Lettuce, Head	708	0			0.004		NT
Lettuce, Leaf	706	0			0.004		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		0.3 OT
Pineapple, Frozen	52	0			0.003		0.3 OT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	7,400	2					
Fenarimol (fungicide)							
Apples	704	0			0.005		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.002 - 0.008		0.20 OT
Lettuce, Head	708	0			0.008		NT
Lettuce, Leaf	706	0			0.008		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	686	0			0.002 - 0.008		0.20 OT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,022	0					
Fenazaquin (insecticide, acaricide)							
Avocado	706	0			0.001 - 0.050		0.15
Blackberries, Fresh	685	7	1	0.011 - 0.27	0.005		0.7
Blackberries, Frozen	24	0			0.005		0.7
Cherry Tomatoes	529	7	1.3	0.008 - 0.10	0.005		0.3
Cucumbers	708	0			0.001 - 0.005		0.3
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		0.2 OT
Pineapple, Frozen	52	0			0.001		0.2 OT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001 - 0.003		0.3
Sweet Corn, Fresh	607	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples		Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
		With Detections	% of Samples With Detections				
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.3
TOTAL	7,752	14					
Fenbuconazole (fungicide)							
Apples	704	6	0.9	0.007 - 0.020	0.005		0.4
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		1.0
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>4</u>	0.6	0.002 - 0.003	0.001	V-4	NT
TOTAL	9,165	10					
Fenclorophos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Fenhexamid (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.010 - 0.050		NT
Blackberries, Fresh	685	44	6.4	0.014 - 1.5	0.013		20
Blackberries, Frozen	24	5	20.8	0.025 - 0.11	0.013		20
Cherry Tomatoes	500	3	0.6	0.031 - 0.15	0.015		2
Cucumbers	319	0			0.015		2.0
Lettuce, Head	708	0			0.010		30
Lettuce, Leaf	706	0			0.010		30
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.020		NT
Pineapple, Frozen	52	0			0.020		NT
Potatoes	177	0			0.015		NT
Sweet Corn, Fresh	607	0			0.050		NT
Sweet Corn, Frozen	101	0			0.050		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		2
TOTAL	7,333	52					
Fenitrothion (insecticide)							
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.002		NT
Onions	708	0			0.002		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,519	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Fenobucarb - BPMC (insecticide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Fenoxaprop ethyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Fenoxycarb (insecticide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	348	0			0.020		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	2,799	0					
Fenpropathrin (insecticide)							
Apples	704	5	0.7	0.006 - 0.25	0.005		5.0
Avocado	706	0			0.001 - 0.050		1.0
Blackberries, Fresh	685	29	4.2	0.022 - 0.76	0.020		12
Blackberries, Frozen	24	0			0.020		12
Cherry Tomatoes	529	1	0.2	0.045	0.015		1.0
Cucumbers	708	4	0.6	0.004 - 0.056	0.002 - 0.015		0.5
Lettuce, Head	708	0			0.018		NT
Lettuce, Leaf	706	0			0.018		NT
Onions	708	0			0.002		NT
Oranges	709	1	0.1	0.007	0.005		2.0
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		NT
Pumpkin, Canned	706	0			0.002		0.5
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>4</u>	0.6	0.003 - 0.005	0.001		1.0
TOTAL	9,165	44					
Fenpropidin (fungicide)							
Avocado	358	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	1,745	0					
Fenpropimorph (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,921	0					
Fenpyrazamine (fungicide)							
Avocado	706	0			0.001 - 0.003		NT
Lettuce, Head	708	0			0.002		1.5
Lettuce, Leaf	706	0			0.002		2
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	4,215	0					
Fenpyroximate (acaricide)							
Apples	704	4	0.6	0.010 - 0.051	0.010		0.30
Avocado	358	0			0.001		0.6
Blackberries, Fresh	685	12	1.8	0.005 - 0.066	0.005		3
Blackberries, Frozen	24	0			0.005		3
Cherry Tomatoes	529	63	11.9	0.005 - 0.099	0.005		0.20
Cucumbers	708	27	3.8	0.002 - 0.030	0.001 - 0.005		0.4
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Oranges	709	0			0.010		1.0
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.10
Pumpkin, Canned	706	0			0.001		0.4
Tomatillos	<u>679</u>	<u>3</u>	0.4	0.003 - 0.008	0.001		0.20
TOTAL	7,401	109					
Fensulfothion (insecticide, fumigant)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Fenthion (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.030		NT
Cucumbers	708	0			0.002 - 0.030		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.030		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,986	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Fenthion oxygen analog sulfone (metabolite of Fenthion)							
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.015		NT
TOTAL	1,054	0					
Fenthion oxygen analog sulfoxide (metabolite of Fenthion)							
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.015		NT
TOTAL	1,054	0					
Fenthion sulfone (metabolite of Fenthion)							
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.12		NT
Cucumbers	348	0			0.12		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.12		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	2,799	0					
Fenthion sulfoxide (metabolite of Fenthion)							
Avocado	358	0			0.010		NT
Cherry Tomatoes	529	0			0.040		NT
Cucumbers	348	0			0.040		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	2,799	0					
Fenuron (herbicide)							
Avocado	358	0			0.020		NT
Pineapple, Fresh	656	0			0.020		NT
Pineapple, Frozen	52	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.020		NT
TOTAL	1,745	0					
Fipronil (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.015		NT
Cucumbers	708	0			0.001 - 0.015		NT
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		0.03
Pumpkin, Canned	706	0			0.001 - 0.006		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.002	0.001	V-1	NT
TOTAL	5,986	1					
Fipronil sulfone - MB46136 (metabolite of Fipronil)							
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.050		NT

Pesticide / Commodity	Number of Samples	Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		Detections	Detections				Tolerance Level, ppm
Blackberries, Frozen	24	0			0.050		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	2,454	0					
Flazasulfuron (herbicide)							
Avocado	706	0			0.005		0.01
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	4,215	0					
Flonicamid (insecticide)							
Apples	704	1	0.1	0.030	0.010		0.20
Avocado	706	0			0.010 - 0.050		NT
Blackberries, Fresh	685	1	0.1	0.019	0.006		3
Blackberries, Frozen	24	0			0.006		3
Cherry Tomatoes	529	105	19.8	0.006 - 0.59	0.005	X-2	0.4
Cucumbers	708	89	12.6	0.003 - 0.43	0.003 - 0.005		1.5
Lettuce, Head	708	49	6.9	0.010 - 0.038	0.010		8
Lettuce, Leaf	706	131	18.6	0.010 - 1.3	0.010		8
Onions	708	1	0.1	0.002	0.001	V-1	NT
Oranges	709	0			0.010		1.5
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.005		0.20
Pumpkin, Canned	706	0			0.003		1.5
Sweet Corn, Fresh	607	0			0.050		0.4
Sweet Corn, Frozen	101	0			0.050		0.4
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.011	0.010		0.4
TOTAL	9,165	378					
Florpyrauxifen-Benzyl (herbicide)							
Avocado	358	0			0.020		EX2
Lettuce, Head	708	0			0.002		EX2
Lettuce, Leaf	706	0			0.002		EX2
Pineapple, Fresh	656	0			0.020		EX2
Pineapple, Frozen	52	0			0.020		EX2
Tomatillos	<u>679</u>	<u>0</u>			0.020		EX2
TOTAL	3,159	0					
Fluazifop butyl (herbicide)							
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.001		NT
Onions	708	0			0.001		0.50
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,519	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Fluazifop-P-butyl (herbicide)							
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Potatoes	<u>177</u>	<u>0</u>			0.005		1.0 OT
TOTAL	1,054	0					
Fluazinam (fungicide)							
Cherry Tomatoes	529	0			0.025		1.5
Cucumbers	348	0			0.025		0.07
Lettuce, Head	708	0			0.010		0.02
Lettuce, Leaf	706	0			0.010		2.0
Potatoes	<u>177</u>	<u>0</u>			0.025		0.02
TOTAL	2,468	0					
Flubendiamide (insecticide)							
Avocado	706	0			0.001 - 0.004		NT
Blackberries, Fresh	629	0			0.004		NT
Blackberries, Frozen	21	0			0.004		NT
Cherry Tomatoes	529	10	1.9	0.005 - 0.021	0.005		0.60
Cucumbers	708	29	4.1	0.002 - 0.021	0.001 - 0.005		0.20
Lettuce, Head	708	1	0.1	0.047	0.005		11
Lettuce, Leaf	706	2	0.3	0.067 - 0.11	0.005		11
Onions	708	0			0.001 - 0.003		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		0.20
Sweet Corn, Fresh	607	0			0.004		0.01
Sweet Corn, Frozen	101	0			0.004		0.01
Tomatillos	<u>679</u>	<u>14</u>	2.1	0.001 - 0.010	0.001		0.60
TOTAL	7,693	56					
Flucythrinate (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Fludioxonil (fungicide)							
Apples	704	282	40.1	0.005 - 2.3	0.005		5.0
Avocado	706	3	0.4	0.003 - 0.042	0.001 - 0.010		5.0
Blackberries, Fresh	685	69	10.1	0.025 - 0.98	0.025		5.0
Blackberries, Frozen	24	5	20.8	0.028 - 0.14	0.025		5.0
Cherry Tomatoes	529	8	1.5	0.068 - 0.20	0.065 - 0.32		5.0
Cucumbers	708	4	0.6	0.010 - 0.11	0.006 - 0.065		0.45
Lettuce, Head	708	1	0.1	0.012	0.010		30
Lettuce, Leaf	706	15	2.1	0.014 - 1.4	0.010		30
Onions	708	0			0.006		0.50
Oranges	709	209	29.5	0.005 - 0.13	0.005		10
Pineapple, Fresh	656	5	0.8	0.020 - 0.033	0.020		20
Pineapple, Frozen	52	0			0.020		20
Potatoes	177	14	7.9	0.12 - 1.0	0.065		6
Pumpkin, Canned	706	0			0.006 - 0.020		0.45
Sweet Corn, Fresh	607	1	0.2	0.002	0.001		0.02
Sweet Corn, Frozen	101	0			0.001		0.02
Tomatillos	<u>679</u>	<u>2</u>	0.3	0.027 - 0.029	0.010		5.0
TOTAL	9,165	618					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Fluensulfone (nematicide)							
Avocado	706	0			0.010 - 0.050		NT
Cherry Tomatoes	529	0			0.010		0.7
Cucumbers	348	0			0.010		0.7
Lettuce, Head	708	0			0.040		4
Lettuce, Leaf	706	0			0.040		4
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.010		0.8
Sweet Corn, Fresh	607	0			0.005		0.05 IN
Sweet Corn, Frozen	101	0			0.005		0.05 IN
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.7
TOTAL	5,269	0					
Flufenacet (herbicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		0.1 IN
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.005		0.1 IN
TOTAL	4,589	0					
Flufenoxuron (insecticide)							
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	0			0.001		NT
Cucumbers	360	0			0.006		NT
Lettuce, Head	708	0			0.004		NT
Lettuce, Leaf	706	0			0.004		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.006		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,934	0					
Flufenpyr ethyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Fluindapyr (fungicide)							
Avocado	348	0			0.002		NT
Sweet Corn, Fresh	607	0			0.002		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002		0.01
TOTAL	1,056	0					
Flumetsulam (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Flumiclorac pentyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Flumioxazin (herbicide)							
Apples	704	0			0.005		0.02
Avocado	706	0			0.001 - 0.020		NT
Blackberries, Fresh	627	0			0.010		0.50
Blackberries, Frozen	23	0			0.010		0.50
Cherry Tomatoes	529	0			0.040		0.02
Cucumbers	708	0			0.003 - 0.040		0.03
Lettuce, Head	708	0			0.060		NT
Lettuce, Leaf	706	0			0.060		NT
Onions	708	0			0.003 - 0.010		0.02
Oranges	709	0			0.005		0.02
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.040		0.02
Pumpkin, Canned	706	0			0.003 - 0.010		0.03
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.02
TOTAL	9,106	0					
Fluometuron (herbicide)							
Avocado	706	0			0.003 - 0.005		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		NT
Sweet Corn, Fresh	607	0			0.005		0.5 IN
Sweet Corn, Frozen	101	0			0.005		0.5 IN
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,855	0					
Fluopicolide (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	4	0.8	0.009 - 0.013	0.005		1.6
Cucumbers	708	125	17.7	0.003 - 0.084	0.003 - 0.005		0.50
Lettuce, Head	708	5	0.7	0.006 - 0.062	0.005		25
Lettuce, Leaf	706	51	7.2	0.006 - 1.3	0.005		25
Onions	708	4	0.6	0.002 - 0.020	0.001 - 0.006		7.0
Oranges	709	0			0.010		0.01
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.09

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pumpkin, Canned	706	0			0.001		0.50
Sweet Corn, Fresh	607	0			0.010		0.02 IN
Sweet Corn, Frozen	101	0			0.010		0.02 IN
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.006	0.001		1.6
TOTAL	9,165	190					
Fluopyram (fungicide)							
Apples	704	4	0.6	0.011 - 0.026	0.010		0.80
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	48	7	0.006 - 0.45	0.005		5.0
Blackberries, Frozen	24	5	20.8	0.060 - 0.12	0.005		5.0
Cherry Tomatoes	529	67	12.7	0.005 - 0.38	0.005		1.0
Cucumbers	708	303	42.8	0.002 - 0.37	0.001 - 0.005		0.60
Lettuce, Head	708	43	6.1	0.001 - 0.018	0.001		40
Lettuce, Leaf	706	102	14.4	0.001 - 0.085	0.001		40
Onions	708	58	8.2	0.003 - 0.076	0.003 - 0.006		0.40
Oranges	709	0			0.010		1.0
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	26	14.7	0.005 - 0.040	0.005		0.10
Pumpkin, Canned	706	7	1	0.006 - 0.008	0.001		0.60
Sweet Corn, Fresh	607	1	0.2	0.002	0.002		0.01
Sweet Corn, Frozen	101	0			0.002		0.01
Tomatillos	<u>679</u>	<u>51</u>	7.5	0.001 - 0.074	0.001		1.0
TOTAL	9,165	715					
Fluorodifen (herbicide)							
Avocado	358	0			0.001 - 0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001 - 0.005		NT
TOTAL	1,745	0					
Fluoxastrobin (fungicide)							
Apples	704	0			0.002		NT
Avocado	706	1	0.1	0.004	0.001		1.0
Cherry Tomatoes	529	3	0.6	0.021 - 0.065	0.010		1.0
Cucumbers	708	17	2.4	0.002 - 0.042	0.001 - 0.010		0.50
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.002		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		0.010
Pumpkin, Canned	706	0			0.001		0.50
Sweet Corn, Fresh	607	0			0.001		0.01
Sweet Corn, Frozen	101	0			0.001		0.01
Tomatillos	<u>679</u>	<u>17</u>	2.5	0.002 - 0.020	0.001		1.0
TOTAL	7,042	38					
Flupyradifurone (insecticide)							
Avocado	706	0			0.001 - 0.005		0.60
Cherry Tomatoes	529	31	5.9	0.10 - 0.45	0.10		1.5
Cucumbers	708	32	4.5	0.002 - 0.19	0.001 - 0.10		0.40
Lettuce, Head	708	70	9.9	0.015 - 0.073	0.015		30
Lettuce, Leaf	706	140	19.8	0.016 - 2.2	0.015		30
Onions	708	0			0.003		0.09
Pineapple, Fresh	656	0			0.001		0.3

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.001		0.3
Potatoes	177	0			0.10		0.05
Pumpkin, Canned	705	0			0.001		0.40
Sweet Corn, Fresh	607	4	0.7	0.006 - 0.029	0.005		0.05
Sweet Corn, Frozen	101	0			0.005		0.05
Tomatillos	<u>679</u>	<u>16</u>	2.4	0.001 - 0.013	0.001		1.5
TOTAL	7,042	293					
Fluquinconazole (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.010 - 0.020		NT
Blackberries, Frozen	24	0			0.010 - 0.020		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,867	0					
Fluridone (herbicide)							
Apples	704	0			0.010		0.1
Avocado	706	0			0.001 - 0.002		0.1
Blackberries, Fresh	685	0			0.001		0.1
Blackberries, Frozen	24	0			0.001		0.1
Cherry Tomatoes	529	0			0.005		0.1 IN
Cucumbers	708	0			0.001 - 0.005		0.1 IN
Lettuce, Head	708	0			0.001		0.1 IN
Lettuce, Leaf	706	0			0.001		0.1 IN
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.010		0.1
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.1 IN
Pumpkin, Canned	706	0			0.001		0.1 IN
Sweet Corn, Fresh	607	0			0.002		0.1 IN
Sweet Corn, Frozen	101	0			0.002		0.1 IN
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.1 IN
TOTAL	9,165	0					
Flusilazole (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,921	0					
Fluthiacet methyl (herbicide)							
Avocado	706	0			0.003 - 0.025		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		NT
Sweet Corn, Fresh	607	0			0.025		0.010
Sweet Corn, Frozen	101	0			0.025		0.010
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,855	0					
Flutianil (fungicide)							
Avocado	348	0			0.005		EX3
Cherry Tomatoes	529	0			0.005		EX3
Cucumbers	348	0			0.005		0.2
Lettuce, Head	708	0			0.004		EX3
Lettuce, Leaf	706	0			0.004		EX3
Sweet Corn, Fresh	607	0			0.005		EX3
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.005		EX3
TOTAL	3,347	0					
Flutolanil (fungicide)							
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	2	1.1	0.006 - 0.007	0.005		0.20
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,508	2					
Flutriafol (fungicide)							
Avocado	706	0			0.001 - 0.004		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	51	9.6	0.005 - 0.085	0.005		1.0
Cucumbers	708	41	5.8	0.002 - 0.25	0.001 - 0.005		0.30
Lettuce, Head	708	1	0.1	0.002	0.002		1.5
Lettuce, Leaf	706	19	2.7	0.002 - 0.008	0.002		10
Onions	708	5	0.7	0.002 - 0.005	0.001	V-5	NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	6	0.8	0.002 - 0.005	0.001		0.30
Sweet Corn, Fresh	607	1	0.2	0.005	0.004		0.03
Sweet Corn, Frozen	101	0			0.004		0.03
Tomatillos	<u>679</u>	<u>25</u>	3.7	0.001 - 0.031	0.001		1.0
TOTAL	7,752	149					
Fluvalinate (insecticide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.050		NT
Blackberries, Frozen	24	0			0.050		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	348	0			0.020		NT
Lettuce, Head	708	0			0.015		NT
Lettuce, Leaf	706	0			0.015		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,391	0					
Fluxapyroxad (fungicide)							
Avocado	706	0			0.001 - 0.005		1.5
Cherry Tomatoes	529	49	9.3	0.005 - 0.24	0.005		0.7
Cucumbers	708	41	5.8	0.002 - 0.025	0.001 - 0.005		0.50
Lettuce, Head	708	1	0.1	0.035	0.005		30
Lettuce, Leaf	706	26	3.7	0.005 - 0.078	0.005		30
Onions	708	2	0.3	0.005	0.003 - 0.006		1.5
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.02
Pumpkin, Canned	706	1	0.1	0.003	0.001		0.50
Sweet Corn, Fresh	607	0			0.005		0.15
Sweet Corn, Frozen	101	0			0.005		0.15
Tomatillos	<u>679</u>	<u>17</u>	2.5	0.001 - 0.011	0.001		0.7
TOTAL	7,043	137					
Folpet (fungicide)							
Apples	704	0			0.015		5.0 OT
Cherry Tomatoes	529	0			0.060		25.0 OT
Oranges	709	0			0.015		NT
Potatoes	<u>177</u>	<u>0</u>			0.040		NT
TOTAL	2,119	0					
Fomesafen (herbicide)							
Avocado	348	0			0.010		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.010		NT
TOTAL	1,056	0					
Fonofos (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.015		NT
Cucumbers	708	0			0.001 - 0.015		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,986	0					
Foramsulfuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.001	0.001	V-1	NT
TOTAL	1,745	1					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Forchlorfenuron (plant growth regulator)							
Apples	704	0			0.002		NT
Avocado	706	0			0.001 - 0.010		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT
Oranges	709	0			0.002		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,682	0					
Formetanate hydrochloride (insecticide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	2	0.6	0.022 - 0.031	0.010	V-2	NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Oranges	709	0			0.010		1.5
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,682	2					
Fosthiazate (nematicide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		0.02
Cucumbers	348	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.02
TOTAL	2,799	0					
Furalaxyl (fungicide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Furathiocarb (insecticide)							
Apples	704	0			0.010		NT
Oranges	<u>709</u>	<u>0</u>			0.010		NT
TOTAL	1,413	0					
Halosulfuron methyl ² (herbicide)							
Apples	704	0			0.010		0.05
Avocado	706	0			0.001 - 0.010		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cherry Tomatoes	529	0			0.050		0.05
Cucumbers	348	0			0.050		0.5
Lettuce, Head	708	0			0.004		NT
Lettuce, Leaf	706	0			0.004		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.050		0.05
Sweet Corn, Fresh	607	0			0.010		0.05
Sweet Corn, Frozen	101	0			0.010		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.05
TOTAL	6,682	0					
Heptenophos (insecticide, acaricide)							
Avocado	358	0			0.001 - 0.003		NT
Pineapple, Fresh	656	0			0.001 - 0.003		NT
Pineapple, Frozen	52	0			0.001 - 0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001 - 0.003		NT
TOTAL	1,745	0					
Hexaconazole (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.005		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	3,158	0					
Hexazinone (herbicide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Pineapple, Fresh	656	0			0.001		0.6
Pineapple, Frozen	52	0			0.001		0.6
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	2,622	0					
Hexythiazox (insecticide, acaricide)							
Apples	704	2	0.3	0.010 - 0.029	0.010		0.4
Avocado	706	0			0.001 - 0.050		NT
Blackberries, Fresh	685	46	6.7	0.002 - 0.95	0.002		3
Blackberries, Frozen	24	4	16.7	0.007 - 0.052	0.002		3
Cherry Tomatoes	529	0			0.015		0.50
Cucumbers	708	0			0.002 - 0.015		NT
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	1	0.1	0.002	0.002	V-1	NT
Onions	708	0			0.002		NT
Oranges	709	0			0.010		0.6 OT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		0.02 OT
Pumpkin, Canned	706	0			0.002		NT
Sweet Corn, Fresh	607	0			0.050		0.1 OT
Sweet Corn, Frozen	101	0			0.050		0.1 OT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.50
TOTAL	9,165	53					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Hydroprene (insect growth regulator)							
Avocado	347	0			0.010		0.2 FH
Cucumbers	360	0			0.002		0.2 FH
Onions	708	0			0.002		0.2 FH
Pumpkin, Canned	706	0			0.002		0.2 FH
Sweet Corn, Fresh	607	0			0.010		0.2 FH
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.010		0.2 FH
TOTAL	2,829	0					
Hydroprene-S (isomer of Hydroprene)							
Cherry Tomatoes	529	0			0.015		0.2 FH
Cucumbers	348	0			0.015		0.2 FH
Lettuce, Head	708	0			0.007		0.2 FH
Lettuce, Leaf	706	0			0.007		0.2 FH
Pineapple, Fresh	655	0			0.003 - 0.005		0.2 FH
Pineapple, Frozen	52	0			0.003 - 0.005		0.2 FH
Potatoes	<u>177</u>	<u>0</u>			0.015		0.2 FH
TOTAL	3,175	0					
Hydroxy Acequinocyl (acaricide) (metabolite of Acequinocyl)							
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		0.70
TOTAL	1,387	0					
3-Hydroxycarbofuran (insecticide) (metabolite of Carbofuran)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	0			0.003		NT
Blackberries, Frozen	24	0			0.003		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.004 - 0.005		NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	1	0.2	0.002	0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.004		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,165	1					
5-Hydroxythiabendazole (fungicide) (metabolite of Thiabendazole)							
Pineapple, Fresh	629	0			0.001		NT
Pineapple, Frozen	50	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,358	0					
Imazalil (fungicide)							
Apples	704	0			0.010		NT
Avocado	705	0			0.003 - 0.010		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.003		NT
Oranges	709	595	83.9	0.010 - 0.61	0.010		10.0 OT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	9,164	595					
Imazethapyr (herbicide)							
Blackberries, Fresh	685	0			0.020		NT
Blackberries, Frozen	<u>24</u>	<u>0</u>			0.020		NT
TOTAL	709	0					
Imazosulfuron (herbicide)							
Avocado	358	0			0.003		NT
Cucumbers	348	0			0.025		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.025		0.02
Tomatillos	<u>679</u>	<u>0</u>			0.003		0.02
TOTAL	2,270	0					
Imidacloprid (insecticide)							
Apples	704	16	2.3	0.011 - 0.041	0.010		0.6
Avocado	706	2	0.3	0.003 - 0.004	0.003 - 0.010		1.0
Blackberries, Fresh	685	94	13.7	0.003 - 1.6	0.003		2.5
Blackberries, Frozen	24	6	25	0.004 - 0.046	0.003		2.5
Cherry Tomatoes	529	20	3.8	0.010 - 0.040	0.010		1.0
Cucumbers	708	72	10.2	0.002 - 0.048	0.001 - 0.010		0.5
Lettuce, Head	708	33	4.7	0.030 - 0.14	0.030		3.5
Lettuce, Leaf	706	64	9.1	0.030 - 0.80	0.030		3.5
Onions	708	74	10.5	0.002 - 0.063	0.001 - 0.003		0.15
Oranges	709	2	0.3	0.019 - 0.022	0.010		0.70
Pineapple, Fresh	656	1	0.2	0.007	0.003	V-1	NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	4	2.3	0.022 - 0.035	0.020		0.40
Pumpkin, Canned	706	0			0.001		0.5
Sweet Corn, Fresh	607	0			0.010		0.05
Sweet Corn, Frozen	101	0			0.010		0.05
Tomatillos	<u>679</u>	<u>3</u>	0.4	0.003 - 0.013	0.003		1.0
TOTAL	9,165	391					
Imidacloprid desnitro (metabolite of Imidacloprid)							
Avocado	328	0			0.010		1.0
Pineapple, Fresh	521	0			0.010		NT
Pineapple, Frozen	39	0			0.010		NT
Tomatillos	<u>586</u>	<u>0</u>			0.010		1.0
TOTAL	1,474	0					

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Imidacloprid olefin (metabolite of Imidacloprid)							
Avocado	358	5	1.4	0.001 - 0.002	0.001	V-13	1.0
Pineapple, Fresh	656	13	2	0.003 - 0.019	0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>29</u>	4.3	0.001 - 0.007	0.001		1.0
TOTAL	1,745	47					
Imidacloprid urea (metabolite of Imidacloprid)							
Avocado	358	0			0.001		1.0
Cherry Tomatoes	529	0			0.010		1.0
Cucumbers	348	0			0.010		0.5
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		0.40
Tomatillos	<u>679</u>	<u>0</u>			0.001		1.0
TOTAL	2,799	0					
Imiprothrin (insecticide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.010 - 0.040		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.045		NT
Cucumbers	348	0			0.045		NT
Lettuce, Head	708	0			0.020		NT
Lettuce, Leaf	706	0			0.020		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.045		NT
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	7,391	0					
Indaziflam (herbicide)							
Avocado	706	0			0.001		0.01
Blackberries, Fresh	685	0			0.001		0.01
Blackberries, Frozen	24	0			0.001		0.01
Cucumbers	360	0			0.003		NT
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Onions	708	0			0.010		NT
Pineapple, Fresh	656	0			0.001		0.01
Pineapple, Frozen	52	0			0.001		0.01
Pumpkin, Canned	706	0			0.003		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,698	0					
Indoxacarb (insecticide)							
Apples	704	4	0.6	0.011 - 0.016	0.010		1
Avocado	706	0			0.005 - 0.020		NT
Blackberries, Fresh	685	0			0.020		NT
Blackberries, Frozen	24	0			0.020		NT
Cherry Tomatoes	529	3	0.6	0.025 - 0.081	0.025		0.5

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cucumbers	348	0			0.025		0.60
Lettuce, Head	708	0			0.005		14
Lettuce, Leaf	706	5	0.7	0.006 - 0.069	0.005		14
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.025		0.01
Sweet Corn, Fresh	607	0			0.020		0.02
Sweet Corn, Frozen	101	0			0.020		0.02
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.005	0.005		0.5
TOTAL	7,391	13					
Inpyrfluxam (fungicide)							
Avocado	348	0			0.002		NT
Sweet Corn, Fresh	607	0			0.002		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002		0.01
TOTAL	1,056	0					
Ipconazole (fungicide)							
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	2,799	0					
Iprobenfos - IBP (fungicide)							
Avocado	328	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,715	0					
Iprodione (fungicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.003		NT
Blackberries, Fresh	685	33	4.8	0.044 - 17	0.040		25.0
Blackberries, Frozen	24	2	8.3	0.057 - 2.0	0.040		25.0
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.009 - 0.010		NT
Lettuce, Head	708	0			0.035		25.0
Lettuce, Leaf	706	6	0.8	0.045 - 7.9	0.035		25.0
Onions	708	0			0.009		0.5
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		0.5
Pumpkin, Canned	706	0			0.009 - 0.060		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.003	0.003	V-1	NT
TOTAL	8,109	42					
Iprovalicarb (fungicide)							
Avocado	706	0			0.003 - 0.050		NT
Cherry Tomatoes	529	0			0.010		1.0 OT
Cucumbers	348	0			0.010		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		NT
Sweet Corn, Fresh	607	0			0.050		NT
Sweet Corn, Frozen	101	0			0.050		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		1.0 OT
TOTAL	5,269	0					
Isocarbophos (insecticide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Isocycloseram (insecticide)							
Avocado	298	0			0.005		NT
Pineapple, Fresh	527	0			0.005		NT
Pineapple, Frozen	33	0			0.005		NT
Tomatillos	<u>592</u>	<u>0</u>			0.005		NT
TOTAL	1,450	0					
Isofenphos (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.003		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,158	0					
Isofenphos methyl (metabolite if Isofenphos)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Isofetamid (fungicide)							
Avocado	646	0			0.001		NT
Cucumbers	360	0			0.001		NT
Lettuce, Head	708	0			0.001		5.0
Lettuce, Leaf	706	0			0.001		7.0
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,929	0					
Isoprocarb (insecticide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Isopropalin (herbicide)							
Avocado	358	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	1,745	0					
Isoprothiolane (fungicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,158	0					
Isoproturon (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Isopyrazam (fungicide)							
Avocado	706	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.005		0.50 OT
Cucumbers	348	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.50 OT
TOTAL	3,855	0					
Isotianil (fungicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Isoxaben (herbicide)							
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	<u>706</u>	<u>0</u>			0.002		NT
TOTAL	1,414	0					
Isoxadifen ethyl (herbicide safener)							
Avocado	706	0			0.001 - 0.010		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.010		0.04
Sweet Corn, Frozen	101	0			0.010		0.04
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,855	0					
Isoxaflutole (herbicide)							
Cucumbers	<u>348</u>	<u>0</u>			0.40		NT
TOTAL	348	0					
Kinoprene (insecticide)							
Cherry Tomatoes	529	0			0.10		NT
Cucumbers	348	0			0.10		NT
Potatoes	<u>177</u>	<u>0</u>			0.10		NT
TOTAL	1,054	0					
Kresoxim-methyl (fungicide)							
Avocado	706	0			0.005		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.002 - 0.010		0.40
Lettuce, Head	708	0			0.015		NT
Lettuce, Leaf	706	0			0.015		NT
Onions	708	0			0.002		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.015		NT
Pumpkin, Canned	706	0			0.002		0.40
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	7,752	0					
Lactofen (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		0.02 OT
TOTAL	1,745	0					
Lenacil (herbicide)							
Apples	704	0			0.005		NT
Oranges	<u>709</u>	<u>0</u>			0.005		NT
TOTAL	1,413	0					
Leptophos oxygen analog (insecticide) (metabolite of Leptophos)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Linuron (herbicide)							
Apples	704	0			0.019		NT
Avocado	706	0			0.003 - 0.020		NT
Blackberries, Fresh	685	0			0.008 - 0.017		NT

Pesticide / Commodity	Number of Samples	Samples		Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
		With Detections	% of Samples With Detections				
Blackberries, Frozen	24	0			0.008 - 0.017		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.002 - 0.010		NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	3	0.4	0.012 - 0.22	0.010	V-3	NT
Onions	708	0			0.002		NT
Oranges	709	0			0.019		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		0.2 OT
Pumpkin, Canned	706	0			0.002		NT
Sweet Corn, Fresh	607	0			0.020		0.25
Sweet Corn, Frozen	101	0			0.020		0.25
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	9,165	3					
Lufenuron (insecticide)							
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Potatoes	<u>177</u>	<u>0</u>			0.010		NT
TOTAL	1,054	0					
Malathion (insecticide)							
Apples	704	0			0.010		8
Avocado	706	0			0.002 - 0.003		8
Blackberries, Fresh	685	123	18	0.002 - 0.15	0.002		8
Blackberries, Frozen	24	3	12.5	0.004 - 0.034	0.002		8
Cherry Tomatoes	529	4	0.8	0.014 - 0.26	0.010		8
Cucumbers	708	0			0.001 - 0.010		8
Lettuce, Head	708	0			0.004		8
Lettuce, Leaf	706	0			0.004		8
Onions	708	0			0.001 - 0.003		8
Oranges	709	0			0.010		8
Pineapple, Fresh	656	0			0.003		8
Pineapple, Frozen	52	0			0.003		8
Potatoes	177	0			0.005		8
Pumpkin, Canned	706	0			0.001		8
Sweet Corn, Fresh	607	0			0.002		2
Sweet Corn, Frozen	101	0			0.002		2
Tomatillos	<u>679</u>	<u>4</u>	0.6	0.004 - 0.045	0.003		8
TOTAL	9,165	134					
Malathion oxygen analog (metabolite of Malathion)							
Apples	704	0			0.010		8 TP
Avocado	706	0			0.001 - 0.002		8 TP
Blackberries, Fresh	685	25	3.6	0.002 - 0.016	0.002		8 TP
Blackberries, Frozen	24	1	4.2	0.006	0.002		8 TP
Cherry Tomatoes	529	0			0.005		8 TP
Cucumbers	708	0			0.002 - 0.005		8 TP
Lettuce, Head	708	0			0.007		8 TP
Lettuce, Leaf	706	0			0.007		8 TP
Onions	708	0			0.002		8 TP
Oranges	709	0			0.010		8 TP
Pineapple, Fresh	656	0			0.001		8 TP
Pineapple, Frozen	52	0			0.001		8 TP
Potatoes	177	0			0.005		8 TP
Pumpkin, Canned	706	0			0.002		8 TP

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Corn, Fresh	607	0			0.002		2 TP
Sweet Corn, Frozen	101	0			0.002		2 TP
Tomatillos	<u>679</u>	<u>0</u>			0.001		8 TP
TOTAL	9,165	26					
Mandestrobin (fungicide)							
Avocado	358	0			0.001		NT
Lettuce, Head	708	0			0.012		0.08
Lettuce, Leaf	706	0			0.012		4
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,159	0					
Mandipropamid (fungicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.003		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	19	3.6	0.012 - 0.18	0.010		1.0
Cucumbers	708	22	3.1	0.005 - 0.073	0.003 - 0.010		0.6
Lettuce, Head	708	14	2	0.010 - 0.12	0.010		25
Lettuce, Leaf	706	249	35.3	0.010 - 3.5	0.010		25
Onions	708	0			0.003 - 0.020		0.05
Oranges	709	0			0.005		0.50
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.020		0.09
Pumpkin, Canned	706	0			0.003		0.6
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		1.0
TOTAL	9,165	304					
Mecarbam (insecticide, acaricide)							
Avocado	358	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	1,745	0					
Mefenacet (herbicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,158	0					
Mefentrifluconazole (fungicide)							
Avocado	358	0			0.005		NT
Cherry Tomatoes	529	3	0.6	0.005 - 0.15	0.005		0.9
Cucumbers	708	0			0.001 - 0.005		0.2
Lettuce, Head	708	1	0.1	0.18	0.010		5
Lettuce, Leaf	706	20	2.8	0.012 - 2.9	0.010		30
Onions	708	0			0.001 - 0.002		0.2

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.005		0.04
Pumpkin, Canned	706	1	0.1	0.007	0.001		0.2
Sweet Corn, Fresh	607	0			0.005		0.03
Sweet Corn, Frozen	101	0			0.005		0.03
Tomatillos	<u>679</u>	<u>0</u>			0.005		0.9
TOTAL	6,695	25					
Mepanipyrim (fungicide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.010		0.5 OT
Cucumbers	348	0			0.010		NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.5 OT
TOTAL	4,213	0					
Mephosfolan (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Mepronil (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Mesotrione (herbicide)							
Avocado	318	0			0.10		NT
Lettuce, Head	708	0			0.10		NT
Lettuce, Leaf	706	0			0.10		NT
Potatoes	177	0			0.040		NT
Sweet Corn, Fresh	607	0			0.10		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.10		0.01
TOTAL	2,617	0					
Metaflumizone (insecticide)							
Avocado	706	0			0.002 - 0.010		NT
Cherry Tomatoes	529	0			0.005		0.60 OT
Cucumbers	348	0			0.005		NT
Lettuce, Head	708	0			0.030		NT
Lettuce, Leaf	706	0			0.030		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.60 OT
TOTAL	5,092	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Metalaxyl/Mefenoxam ³ (fungicide)							
Apples	704	0			0.005		0.2
Avocado	706	0			0.001 - 0.002		4.0
Blackberries, Fresh	685	116	16.9	0.001 - 0.69	0.001		0.70
Blackberries, Frozen	24	4	16.7	0.001 - 0.038	0.001		0.70
Cherry Tomatoes	529	0			0.010		1
Cucumbers	708	164	23.2	0.002 - 0.24	0.001 - 0.010		1.0
Lettuce, Head	708	8	1.1	0.003 - 0.038	0.003		5
Lettuce, Leaf	706	16	2.3	0.003 - 0.036	0.003		5
Onions	708	14	2	0.002 - 0.014	0.001		3.0
Oranges	709	0			0.005		1.0
Pineapple, Fresh	656	0			0.001		0.1
Pineapple, Frozen	52	0			0.001		0.1
Potatoes	177	0			0.010		0.5
Pumpkin, Canned	706	0			0.001		1.0
Sweet Corn, Fresh	607	0			0.002		0.1
Sweet Corn, Frozen	101	0			0.002		0.1
Tomatillos	<u>679</u>	<u>62</u>	9.1	0.001 - 0.12	0.001		1
TOTAL	9,165	384					
Metaldehyde (molluscicide)							
Cherry Tomatoes	473	0			0.040		0.24
Cucumbers	348	0			0.040		NT
Potatoes	<u>177</u>	<u>0</u>			0.055		NT
TOTAL	998	0					
Metamitron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Metconazole (fungicide)							
Avocado	706	0			0.003 - 0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		0.04
Sweet Corn, Fresh	607	0			0.010		0.01
Sweet Corn, Frozen	101	0			0.010		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,855	0					
Methacrifos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Methamidophos (insecticide) (also a metabolite of Acephate)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.020		NT
Blackberries, Fresh	655	19	2.9	0.005 - 2.0	0.005	V-19	NT
Blackberries, Frozen	23	1	4.3	0.042	0.005	V-1	NT

Pesticide / Commodity	Number of Samples	Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance
		Detections	Detections				Level, ppm
Cherry Tomatoes	529	2	0.4	0.073 - 0.26	0.020	V-2	NT
Cucumbers	708	1	0.1	0.038	0.001 - 0.020	V-1	NT
Lettuce, Head	708	2	0.3	0.051 - 0.061	0.040		1
Lettuce, Leaf	706	0			0.040		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.035		NT
Pumpkin, Canned	706	0			0.004		NT
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>76</u>	11.2	0.001 - 0.090	0.001	V-76	NT
TOTAL	9,134	101					
Methfuroxam (fungicide)							
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	<u>52</u>	<u>0</u>			0.001		NT
TOTAL	708	0					
Methidathion (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.003		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Lettuce, Head	708	0			0.015		NT
Lettuce, Leaf	706	0			0.015		NT
Onions	348	0			0.003 - 0.006		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.015		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	7,749	0					
Methiocarb (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,986	0					
Methiocarb sulfone (metabolite of Methiocarb)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Methiocarb sulfoxide (metabolite of Methiocarb)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Methomyl (insecticide)							
Apples	704	1	0.1	0.059	0.010		1
Avocado	706	0			0.001 - 0.010		2
Blackberries, Fresh	685	0			0.030		NT
Blackberries, Frozen	24	0			0.030		NT
Cherry Tomatoes	529	0			0.015		1
Cucumbers	708	21	3	0.004 - 0.37	0.002 - 0.015	X-1	0.2
Lettuce, Head	708	19	2.7	0.011 - 0.25	0.010		35 MP
Lettuce, Leaf	706	28	4	0.010 - 2.4	0.010		35 MP
Onions	708	6	0.8	0.004 - 0.041	0.002		0.2
Oranges	709	0			0.010		2
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.015		0.2
Pumpkin, Canned	706	0			0.002		0.2
Sweet Corn, Fresh	607	9	1.5	0.001 - 0.004	0.001		2.0 MP
Sweet Corn, Frozen	101	0			0.001		2.0 MP
Tomatillos	<u>679</u>	<u>0</u>			0.010		1
TOTAL	9,165	84					
Methomyl oxime (metabolite of Methomyl)							
Cherry Tomatoes	529	0			0.10		1 TP
Cucumbers	348	0			0.10		0.2 TP
Potatoes	<u>177</u>	<u>0</u>			0.10		0.2 TP
TOTAL	1,054	0					
Methoprene (insect growth regulator)							
Cherry Tomatoes	529	0			0.060		EX4
Cucumbers	708	0			0.050 - 0.060		EX4
Lettuce, Head	708	0			0.040		EX4
Lettuce, Leaf	706	0			0.040		EX4
Onions	688	0			0.015		EX4
Potatoes	177	0			0.060		EX4
Pumpkin, Canned	<u>706</u>	<u>0</u>			0.015		EX4
TOTAL	4,222	0					
Methoprotetryne (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Methoxychlor (insecticide)							
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	708	0			0.001 - 0.020		NT
Onions	708	0			0.001 - 0.006		NT
Potatoes	177	0			0.020		NT
Pumpkin, Canned	<u>706</u>	<u>0</u>			0.001 - 0.003		NT
TOTAL	2,828	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Methoxychlor olefin (metabolite of Methoxychlor)							
Cucumbers	360	0			0.001		NT
Onions	708	0			0.001		NT
Pumpkin, Canned	<u>706</u>	<u>0</u>			0.001		NT
TOTAL	1,774	0					
Methoxychlor p,p' (isomer of Methoxychlor)							
Apples	704	0			0.005		NT
Oranges	<u>709</u>	<u>0</u>			0.005		NT
TOTAL	1,413	0					
Methoxyfenozide (insecticide)							
Apples	704	35	5	0.011 - 0.10	0.010		2.0
Avocado	706	0			0.002 - 0.003		0.6
Blackberries, Fresh	685	8	1.2	0.004 - 0.050	0.003		6.0
Blackberries, Frozen	24	1	4.2	0.15	0.003		6.0
Cherry Tomatoes	529	5	0.9	0.013 - 0.13	0.010		2.0
Cucumbers	708	22	3.1	0.002 - 0.012	0.001 - 0.010		0.3
Lettuce, Head	708	22	3.1	0.001 - 0.052	0.001		30
Lettuce, Leaf	706	46	6.5	0.001 - 3.5	0.001		30
Onions	708	1	0.1	0.002	0.001		0.10 IN
Oranges	709	0			0.010		3.0
Pineapple, Fresh	656	0			0.003		0.70
Pineapple, Frozen	52	0			0.003		0.70
Potatoes	177	0			0.010		0.02 IN
Pumpkin, Canned	706	0			0.001		0.3
Sweet Corn, Fresh	607	4	0.7	0.002 - 0.003	0.002		0.05
Sweet Corn, Frozen	101	0			0.002		0.05
Tomatillos	<u>679</u>	<u>7</u>	1	0.004 - 0.009	0.003		2.0
TOTAL	9,165	151					
Metobromuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Metolachlor (herbicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	0			0.001		0.10
Blackberries, Frozen	24	0			0.001		0.10
Cherry Tomatoes	529	0			0.005		0.10
Cucumbers	708	9	1.3	0.002 - 0.006	0.001 - 0.005		0.50
Lettuce, Head	708	0			0.007		1.5
Lettuce, Leaf	706	0			0.007		1.5
Onions	708	0			0.001		0.10
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	2	1.1	0.007 - 0.050	0.005		0.20
Pumpkin, Canned	706	0			0.001		0.50
Sweet Corn, Fresh	607	0			0.005		0.10
Sweet Corn, Frozen	101	0			0.005		0.10
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.10
TOTAL	9,165	11					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Metolcarb (insecticide, acaricide)							
Avocado	358	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	1,745	0					
Metoxuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Metrafenone (fungicide)							
Apples	704	0			0.010		1.5
Avocado	706	0			0.001 - 0.002		NT
Cherry Tomatoes	529	0			0.005		0.90
Cucumbers	708	1	0.1	0.009	0.001 - 0.005		0.50
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		0.50
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.90
TOTAL	8,456	1					
Metribuzin (herbicide)							
Avocado	706	0			0.005		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.010		0.1
Cucumbers	708	0			0.002 - 0.010		NT
Lettuce, Head	708	0			0.003		NT
Lettuce, Leaf	706	0			0.003		NT
Onions	708	0			0.002		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.020		0.6
Pumpkin, Canned	706	0			0.002		NT
Sweet Corn, Fresh	607	0			0.005		0.05
Sweet Corn, Frozen	101	0			0.005		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.005		0.1
TOTAL	7,752	0					
Metsulfuron methyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Mevinphos (insecticide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.003 - 0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.005 - 0.010		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.005		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	7,042	0					
Mexacarbate (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
MGK-264 (insecticide)							
Apples	630	0			0.010		5 FH
Avocado	706	0			0.001 - 0.050		5 FH
Blackberries, Fresh	685	0			0.10		5 FH
Blackberries, Frozen	24	0			0.10		5 FH
Cherry Tomatoes	529	0			0.010		5 FH
Cucumbers	708	0			0.002 - 0.010		5 FH
Lettuce, Head	708	0			0.006		5 FH
Lettuce, Leaf	706	0			0.006		5 FH
Onions	708	0			0.002		5 FH
Oranges	650	0			0.010		5 FH
Pineapple, Fresh	656	0			0.001		5 FH
Pineapple, Frozen	52	0			0.001		5 FH
Potatoes	177	0			0.010		5 FH
Pumpkin, Canned	706	0			0.002		5 FH
Sweet Corn, Fresh	607	0			0.050		5 FH
Sweet Corn, Frozen	101	0			0.050		5 FH
Tomatillos	<u>679</u>	<u>0</u>			0.001		5 FH
TOTAL	9,032	0					
MGK-326 - dipropyl isocinchomeronate (insecticide)							
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Potatoes	<u>177</u>	<u>0</u>			0.010		NT
TOTAL	1,054	0					
Molinate (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Monocrotophos (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	1	0.3	0.12	0.010	V-1	NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.020		NT
Tomatillos	<u>679</u>	<u>9</u>	1.3	0.003 - 0.046	0.003	V-9	NT
TOTAL	5,626	10					
Monolinuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Monuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Myclobutanil (fungicide)							
Apples	704	2	0.3	0.007 - 0.009	0.005		0.5
Avocado	706	0			0.003 - 0.005		NT
Blackberries, Fresh	685	37	5.4	0.003 - 0.24	0.003		2.0
Blackberries, Frozen	24	0			0.003		2.0
Cherry Tomatoes	529	38	7.2	0.006 - 0.065	0.005		0.30
Cucumbers	708	46	6.5	0.002 - 0.22	0.001 - 0.005	X-1	0.20
Lettuce, Head	708	1	0.1	0.015	0.008		9.0
Lettuce, Leaf	706	12	1.7	0.008 - 0.30	0.008		9.0
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.002 - 0.005		0.03 IN
Pumpkin, Canned	706	0			0.001		0.20
Sweet Corn, Fresh	607	0			0.005		0.03 IN
Sweet Corn, Frozen	101	0			0.005		0.03 IN
Tomatillos	<u>679</u>	<u>48</u>	7.1	0.003 - 0.009	0.003		0.30
TOTAL	9,165	184					
Naled (insecticide)							
Blackberries, Fresh	685	0			0.020		0.5 OT
Blackberries, Frozen	24	0			0.020		0.5 OT
Lettuce, Head	708	0			0.015		0.5 OT
Lettuce, Leaf	<u>706</u>	<u>0</u>			0.015		0.5 OT
TOTAL	2,123	0					
1-Naphthol (insecticide) (metabolite of Carbaryl)							
Avocado	348	0			0.10		NT
Blackberries, Fresh	685	4	0.6	0.032 - 0.57	0.015		12.0 TP

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Blackberries, Frozen	24	0			0.015		12.0 TP
Cherry Tomatoes	529	0			0.20		5.0 TP
Cucumbers	348	0			0.20		3.0 TP
Lettuce, Head	708	0			0.25		10 TP
Lettuce, Leaf	706	0			0.25		10 TP
Potatoes	177	0			0.20		2.0 TP
Sweet Corn, Fresh	607	0			0.020		0.1 TP
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.020		0.1 TP
TOTAL	4,233	4					
Napropamide (herbicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001		NT
Cherry Tomatoes	529	0			0.010		0.1
Cucumbers	708	0			0.002 - 0.010		NT
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.002		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.1
TOTAL	8,456	0					
Neburon (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Nicosulfuron (herbicide)							
Avocado	318	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		0.1
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.005		0.1
TOTAL	1,026	0					
Nitenpyram (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Nitrapyrin (nitrification inhibitor)							
Avocado	348	0			0.005		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	348	0			0.020		NT
Lettuce, Head	708	0			0.010		0.4
Lettuce, Leaf	706	0			0.010		0.4
Potatoes	177	0			0.020		0.6
Sweet Corn, Fresh	580	0			0.005		0.1
Sweet Corn, Frozen	<u>98</u>	<u>0</u>			0.005		0.1
TOTAL	3,494	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Nitrofen (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Norflurazon (herbicide)							
Apples	704	0			0.010		0.1
Avocado	706	0			0.003 - 0.010		0.20
Blackberries, Fresh	685	0			0.002		0.1
Blackberries, Frozen	24	0			0.002		0.1
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Lettuce, Head	708	0			0.020		NT
Lettuce, Leaf	706	0			0.020		NT
Onions	688	0			0.001 - 0.006		NT
Oranges	709	0			0.010		0.2
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	9,145	0					
Norflurazon desmethyl (metabolite of Norflurazon)							
Apples	704	0			0.010		0.1
Avocado	358	0			0.003		0.20
Blackberries, Fresh	685	0			0.005		0.1
Blackberries, Frozen	24	0			0.005		0.1
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Lettuce, Head	708	0			0.015		NT
Lettuce, Leaf	676	0			0.015		NT
Onions	708	3	0.4	0.002 - 0.005	0.001 - 0.006	V-3	NT
Oranges	709	0			0.010		0.2
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	8,079	3					
Novaluron (insecticide)							
Apples	704	22	3.1	0.010 - 0.10	0.010		3.0
Avocado	706	3	0.4	0.003 - 0.007	0.003 - 0.050		0.60
Blackberries, Fresh	656	1	0.2	0.010	0.009		0.01 FH
Blackberries, Frozen	23	0			0.009		0.01 FH
Cherry Tomatoes	529	24	4.5	0.006 - 0.15	0.005		2
Cucumbers	708	5	0.7	0.004 - 0.007	0.003 - 0.005		0.20
Lettuce, Head	708	0			0.005		0.01 FH
Lettuce, Leaf	706	0			0.005		0.01 FH
Onions	708	0			0.001 - 0.003		0.01 FH
Oranges	709	0			0.010		0.01 FH

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Pineapple, Fresh	656	0			0.003		0.01 FH
Pineapple, Frozen	52	0			0.003		0.01 FH
Potatoes	177	0			0.010		0.05
Pumpkin, Canned	706	0			0.003 - 0.006		0.20
Sweet Corn, Fresh	607	0			0.050		0.05
Sweet Corn, Frozen	101	0			0.050		0.05
Tomatillos	<u>679</u>	<u>8</u>	1.2	0.003 - 0.010	0.003		2
TOTAL	9,135	63					
Nuarimol (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Octhilinone (fungicide)							
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,387	0					
Omethoate (insecticide) (also a metabolite of Dimethoate)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	310	2	0.6	0.055 - 0.086	0.020	V-2	NT
Blackberries, Frozen	13	0			0.020		NT
Cherry Tomatoes	529	4	0.8	0.005 - 0.016	0.005		2.0
Cucumbers	708	1	0.1	0.008	0.002 - 0.005	V-1	NT
Lettuce, Head	708	0			0.015		NT
Lettuce, Leaf	706	1	0.1	0.041	0.015		2.0
Onions	708	0			0.002		NT
Oranges	709	0			0.010		2.0
Pineapple, Fresh	656	1	0.2	0.002	0.001	V-1	NT
Pineapple, Frozen	52	1	1.9	0.007	0.001	V-1	NT
Potatoes	177	0			0.010		0.2
Pumpkin, Canned	706	0			0.002		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>14</u>	2.1	0.002 - 0.046	0.001		2.0
TOTAL	8,779	24					
Oryzalin (herbicide)							
Apples	704	0			0.020		0.05
Avocado	348	0			0.20		0.05
Blackberries, Fresh	685	0			0.020		0.05
Blackberries, Frozen	24	0			0.020		0.05
Cherry Tomatoes	529	0			0.20		NT
Cucumbers	348	0			0.20		NT
Lettuce, Head	708	0			0.008		NT
Lettuce, Leaf	706	0			0.008		NT
Oranges	709	0			0.020		0.05
Potatoes	177	0			0.10		NT
Sweet Corn, Fresh	607	0			0.20		NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.20		NT
TOTAL	5,646	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Oxadiazon (herbicide)							
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	2,454	0					
Oxadixyl (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.003		NT
Onions	708	0			0.003		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.003 - 0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,932	0					
Oxamyl (insecticide)							
Apples	704	1	0.1	0.046	0.010		2
Avocado	706	0			0.005		NT
Blackberries, Fresh	685	0			0.003		NT
Blackberries, Frozen	24	0			0.003		NT
Cherry Tomatoes	529	1	0.2	0.028	0.005		2
Cucumbers	708	30	4.2	0.005 - 0.49	0.005 - 0.006		2.0
Lettuce, Head	708	0			0.030		NT
Lettuce, Leaf	706	0			0.030		NT
Onions	708	4	0.6	0.003 - 0.020	0.002 - 0.006		0.2
Oranges	709	0			0.010		3
Pineapple, Fresh	656	0			0.005		1
Pineapple, Frozen	52	0			0.005		1
Potatoes	177	0			0.005		0.1
Pumpkin, Canned	706	0			0.006		2.0
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.007	0.005		2
TOTAL	9,165	37					
Oxamyl oxime (metabolite of Oxamyl)							
Apples	704	1	0.1	0.045	0.010		2
Avocado	706	0			0.005 - 0.020		NT
Blackberries, Fresh	685	0			0.007		NT
Blackberries, Frozen	24	0			0.007		NT
Cherry Tomatoes	529	3	0.6	0.073 - 0.16	0.040		2
Cucumbers	348	18	5.2	0.042 - 0.24	0.040		2.0
Oranges	709	0			0.010		3
Pineapple, Fresh	656	0			0.005		1
Pineapple, Frozen	52	0			0.005		1
Potatoes	177	0			0.040		0.1
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>7</u>	1	0.006 - 0.035	0.005		2
TOTAL	5,977	29					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Oxathiapiprolin (fungicide)							
Avocado	706	0			0.001 - 0.002		0.1
Cherry Tomatoes	529	0			0.020		0.50
Cucumbers	348	0			0.020		0.20
Lettuce, Head	708	0			0.015		15
Lettuce, Leaf	706	55	7.8	0.017 - 0.53	0.015		15
Pineapple, Fresh	656	0			0.001		0.10 IN
Pineapple, Frozen	52	0			0.001		0.10 IN
Potatoes	177	0			0.020		0.04
Sweet Corn, Fresh	607	0			0.002		0.10 IN
Sweet Corn, Frozen	101	0			0.002		0.10 IN
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.50
TOTAL	5,269	55					
Oxycarboxin (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Oxydemeton methyl (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Lettuce, Head	708	0			0.007		NT
Lettuce, Leaf	706	0			0.007		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,335	0					
Oxydemeton methyl sulfone (metabolite of Oxydemeton methyl)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,977	0					
Oxyfluorfen (herbicide)							
Apples	704	0			0.005		0.05
Avocado	706	0			0.001 - 0.010		0.05
Blackberries, Fresh	685	0			0.050		0.05 OT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Blackberries, Frozen	24	0			0.050		0.05 OT
Cherry Tomatoes	529	0			0.040		NT
Cucumbers	708	0			0.003 - 0.040		NT
Onions	708	0			0.001		0.05
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.040		NT
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,751	0					
Paclobutrazol (plant growth regulator)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Parathion (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.003 - 0.010		NT
Onions	708	0			0.003		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.003 - 0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,695	0					
Parathion oxygen analog (metabolite of Parathion)							
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	4,573	0					
Parathion methyl (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.002 - 0.010		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,695	0					
Parathion methyl oxygen analog (metabolite of Parathion methyl)							
Avocado	358	0			0.010		NT
Blackberries, Fresh	685	0			0.020		NT
Blackberries, Frozen	24	0			0.020		NT
Cherry Tomatoes	529	0			0.015		NT
Cucumbers	348	0			0.015		NT
Pineapple, Fresh	656	0			0.020		NT
Pineapple, Frozen	52	0			0.020		NT
Potatoes	177	0			0.025		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010 - 0.040		NT
TOTAL	3,508	0					
Pebulate (herbicide)							
Apples	704	0			0.005		NT
Oranges	<u>709</u>	<u>0</u>			0.005		NT
TOTAL	1,413	0					
Penconazole (fungicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Pencycuron (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	4,212	0					
Pendimethalin (herbicide)							
Apples	704	8	1.1	0.005 - 0.019	0.005		0.1
Avocado	706	0			0.001 - 0.010		NT

Pesticide / Commodity	Number of Samples	Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		Detections	Detections				Tolerance Level, ppm
Blackberries, Fresh	685	0			0.050		0.10
Blackberries, Frozen	24	0			0.050		0.10
Cherry Tomatoes	529	0			0.015		0.1
Cucumbers	708	0			0.001 - 0.015		NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	5	0.7	0.011 - 0.020	0.010		4.0
Onions	708	0			0.001		0.1
Oranges	709	0			0.005		0.1
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		0.1
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.010		0.1
Sweet Corn, Frozen	101	0			0.010		0.1
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.1
TOTAL	9,165	13					
Penflufen (fungicide)							
Avocado	706	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.01
Sweet Corn, Fresh	607	0			0.001		0.01
Sweet Corn, Frozen	101	0			0.001		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,855	0					
Penoxsulam (herbicide)							
Apples	704	0			0.010		0.01
Avocado	706	0			0.001 - 0.010		NT
Lettuce, Head	708	0			0.003		NT
Lettuce, Leaf	706	0			0.003		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,628	0					
Pentachloroaniline - PCA (fungicide) (metabolite of Quintozene)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.004		NT
Blackberries, Frozen	24	0			0.004		NT
Cherry Tomatoes	529	0			0.005		0.1
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	3	1.7	0.010 - 0.015	0.005		0.1
Pumpkin, Canned	706	0			0.003		NT
Sweet Corn, Fresh	607	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.1
TOTAL	7,403	3					
Pentachlorobenzene - PCB (fungicide) (metabolite of Quintozene)							
Apples	704	0			0.005		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.005		0.1 TP
Cucumbers	708	0			0.003 - 0.010		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	3	1.7	0.010 - 0.015	0.005		0.1 TP
Pumpkin, Canned	706	0			0.003 - 0.012		NT
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.1 TP
TOTAL	6,337	3					
Pentachlorophenyl methyl sulfide - PCPMS (fungicide) (metabolite of Quintozene)							
Apples	704	0			0.005		NT
Cherry Tomatoes	529	0			0.010		0.1 TP
Cucumbers	348	0			0.010		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		0.1 TP
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		0.1 TP
TOTAL	4,562	0					
Penthiopyrad (fungicide)							
Apples	704	0			0.010		0.50
Avocado	706	0			0.001		NT
Cherry Tomatoes	529	53	10	0.001 - 0.31	0.001		3.0
Cucumbers	708	9	1.3	0.001 - 0.008	0.001		0.60
Lettuce, Head	708	2	0.3	0.004 - 0.008	0.002		30
Lettuce, Leaf	706	20	2.8	0.003 - 1.6	0.002		30
Onions	708	23	3.2	0.002 - 0.012	0.001		3.0
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	2	1.1	0.001 - 0.002	0.001		0.06
Pumpkin, Canned	706	0			0.001		0.60
Sweet Corn, Fresh	607	0			0.001		0.01
Sweet Corn, Frozen	101	0			0.001		0.01
Tomatillos	<u>679</u>	<u>3</u>	0.4	0.002 - 0.003	0.001		3.0
TOTAL	8,456	112					
Permethrin Total (insecticide)							
Apples	704	0			0.005		0.05
Avocado	348	1	0.3	0.17	0.050		1.0
Oranges	709	0			0.005		NT
Sweet Corn, Fresh	607	2	0.3	0.032 - 0.25	0.010	X-1	0.10

		Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pesticide / Commodity	Number of Samples	Detections	Detections				
Sweet Corn, Frozen	101	0			0.010		0.10
Tomatillos	679	8	1.2	0.003 - 0.024	0.003		2.0
TOTAL	3,148	11					
Permethrin cis (isomer of Permethrin)							
Avocado	268	0			0.001		1.0
Blackberries, Fresh	685	3	0.4	0.013 - 0.33	0.010	V-3	NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		2.0
Cucumbers	708	5	0.7	0.005 - 0.021	0.003 - 0.010		1.5
Lettuce, Head	708	16	2.3	0.012 - 0.077	0.012		20
Lettuce, Leaf	706	209	29.6	0.013 - 1.2	0.012		20
Onions	708	0			0.001		0.10
Pineapple, Fresh	656	0			0.0006 - 0.001		NT
Pineapple, Frozen	52	0			0.0006 - 0.001		NT
Potatoes	177	0			0.010		0.05
Pumpkin, Canned	706	0			0.001 - 0.003		1.5
TOTAL	5,927	233					
Permethrin trans (isomer of Permethrin)							
Avocado	358	0			0.004		1.0
Blackberries, Fresh	685	3	0.4	0.013 - 0.36	0.010	V-3	NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		2.0
Cucumbers	708	5	0.7	0.002 - 0.020	0.001 - 0.010		1.5
Lettuce, Head	708	10	1.4	0.022 - 0.095	0.020		20
Lettuce, Leaf	706	172	24.4	0.020 - 1.5	0.020		20
Onions	708	0			0.001		0.10
Pineapple, Fresh	656	0			0.002 - 0.004		NT
Pineapple, Frozen	52	0			0.002 - 0.004		NT
Potatoes	177	0			0.010		0.05
Pumpkin, Canned	706	0			0.001 - 0.004		1.5
TOTAL	6,017	190					
Pethoxamid (herbicide)							
Avocado	348	0			0.002		NT
Sweet Corn, Fresh	607	0			0.002		0.01
Sweet Corn, Frozen	101	0			0.002		0.01
TOTAL	1,056	0					
Phenmedipham (herbicide)							
Avocado	348	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
TOTAL	1,056	0					
Phenothrin (insecticide)							
Apples	704	0			0.005		0.01 FH
Avocado	648	0			0.010 - 0.10		0.01 FH
Blackberries, Fresh	685	0			0.050		0.01 FH
Blackberries, Frozen	24	0			0.050		0.01 FH
Cherry Tomatoes	529	0			0.075		0.01 FH
Cucumbers	708	0			0.002 - 0.075		0.01 FH
Lettuce, Head	708	0			0.060		0.01 FH
Lettuce, Leaf	706	0			0.060		0.01 FH
Onions	689	0			0.002		0.01 FH
Oranges	709	0			0.005		0.01 FH

Pesticide / Commodity	Number of Samples	Samples		Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA	
		With Detections	% of Samples With Detections				Tolerance Level, ppm	
Pineapple, Fresh	656	0			0.010		0.01 FH	
Pineapple, Frozen	52	0			0.010		0.01 FH	
Potatoes	177	0			0.075		0.01 FH	
Pumpkin, Canned	706	0			0.002		0.01 FH	
Sweet Corn, Fresh	607	0			0.020		0.01 FH	
Sweet Corn, Frozen	101	0			0.020		0.01 FH	
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.01 FH	
TOTAL	9,088	0						
Phenthoate (insecticide)								
Avocado	358	0			0.001		NT	
Cucumbers	360	0			0.001		NT	
Onions	708	0			0.001		NT	
Pineapple, Fresh	656	0			0.001		NT	
Pineapple, Frozen	52	0			0.001		NT	
Pumpkin, Canned	706	0			0.001		NT	
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT	
TOTAL	3,519	0						
o-Phenylphenol (fungicide)								
Avocado	358	0			0.020		NT	
Blackberries, Fresh	685	0			0.005		NT	
Blackberries, Frozen	24	0			0.005		NT	
Cherry Tomatoes	529	0			0.040		10 OT	
Cucumbers	708	0			0.001 - 0.040		10 OT	
Onions	708	0			0.001		NT	
Pineapple, Fresh	656	0			0.020		10 OT	
Pineapple, Frozen	52	0			0.020		10 OT	
Potatoes	177	0			0.040		NT	
Pumpkin, Canned	706	2	0.3	0.002	0.001 - 0.003	V-2	NT	
Tomatillos	<u>679</u>	<u>0</u>			0.020		10 OT	
TOTAL	5,282	2						
Phorate (insecticide)								
Apples	704	0			0.005		NT	
Avocado	706	0			0.003 - 0.030		NT	
Cherry Tomatoes	529	0			0.10		NT	
Cucumbers	708	0			0.003 - 0.10		NT	
Lettuce, Head	708	0			0.010		NT	
Lettuce, Leaf	706	0			0.010		NT	
Onions	708	0			0.003 - 0.006		NT	
Oranges	709	0			0.005		NT	
Pineapple, Fresh	656	0			0.003		NT	
Pineapple, Frozen	52	0			0.003		NT	
Potatoes	177	0			0.17		0.2	
Pumpkin, Canned	706	0			0.003		NT	
Sweet Corn, Fresh	607	0			0.030		0.05	
Sweet Corn, Frozen	101	0			0.030		0.05	
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT	
TOTAL	8,456	0						
Phorate oxygen analog (metabolite of Phorate)								
Avocado	358	0			0.005		NT	
Cherry Tomatoes	529	0			0.005		NT	
Cucumbers	708	0			0.001 - 0.005		NT	
Onions	708	0			0.001		NT	
Pineapple, Fresh	656	0			0.005		NT	

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	4,396	0					
Phorate oxygen analog sulfone (metabolite of Phorate)							
Avocado	706	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.2
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.005		0.05
Sweet Corn, Frozen	101	0			0.005		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,629	0					
Phorate oxygen analog sulfoxide (metabolite of Phorate)							
Avocado	706	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001 - 0.003		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.2
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.005		0.05
Sweet Corn, Frozen	101	0			0.005		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,629	0					
Phorate sulfone (metabolite of Phorate)							
Apples	704	0			0.005		NT
Avocado	706	0			0.003 - 0.020		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.030		NT
Cucumbers	708	0			0.002 - 0.030		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.030		0.2
Pumpkin, Canned	706	0			0.002		NT
Sweet Corn, Fresh	607	0			0.020		0.05
Sweet Corn, Frozen	101	0			0.020		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	7,751	0					
Phorate sulfoxide (metabolite of Phorate)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cucumbers	708	0			0.001 - 0.010		NT
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.2
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.001		0.05
Sweet Corn, Frozen	101	0			0.001		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,751	0					
Phosalone (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.003		NT
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	0			0.001		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.002 - 0.010		NT
Lettuce, Head	708	0			0.015		NT
Lettuce, Leaf	706	0			0.015		NT
Onions	708	0			0.002 - 0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.015		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	8,109	0					
Phosmet (insecticide)							
Apples	704	20	2.8	0.005 - 0.14	0.005		10
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.015		NT
Cucumbers	708	0			0.002 - 0.015		NT
Lettuce, Head	708	0			0.007		NT
Lettuce, Leaf	706	0			0.007		NT
Oranges	709	0			0.005		5
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.025		0.1
Pumpkin, Canned	706	0			0.005 - 0.020		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	8,457	20					
Phosmet oxygen analog (metabolite of Phosmet)							
Apples	295	0			0.010		10
Avocado	706	0			0.001		NT
Blackberries, Fresh	685	0			0.004		NT
Blackberries, Frozen	24	0			0.004		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Lettuce, Head	708	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Lettuce, Leaf	706	0			0.005		NT
Oranges	356	0			0.010		5
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.1
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,629	0					
Phosphamidon (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.005		NT
Cucumbers	360	0			0.001 - 0.003		NT
Onions	708	0			0.003		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Pumpkin, Canned	706	0			0.003 - 0.006		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	4,932	0					
Phoxim (insecticide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.015		NT
Cucumbers	348	0			0.015		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.025		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	2,799	0					
Picarbutrazox (fungicide)							
Avocado	646	0			0.001 - 0.003		NT
Cherry Tomatoes	529	0			0.001		0.01
Cucumbers	348	0			0.001		0.01
Lettuce, Head	708	0			0.001		0.01
Lettuce, Leaf	706	0			0.001		0.01
Pineapple, Fresh	527	0			0.002 - 0.003		NT
Pineapple, Frozen	33	0			0.002 - 0.003		NT
Sweet Corn, Fresh	607	0			0.001		0.01
Sweet Corn, Frozen	101	0			0.001		0.01
Tomatillos	<u>590</u>	<u>0</u>			0.003		0.01
TOTAL	4,795	0					
Picolinafen (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Picoxystrobin (fungicide)							
Avocado	706	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.001		0.70
Cucumbers	708	0			0.001		0.30
Lettuce, Head	708	0			0.007		4.0

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Lettuce, Leaf	706	0			0.007		30
Onions	708	0			0.001		0.50
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.001		0.03
Pumpkin, Canned	706	0			0.001		0.30
Sweet Corn, Fresh	607	0			0.001		0.04
Sweet Corn, Frozen	101	0			0.001		0.04
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.007	0.005		0.70
TOTAL	7,043	1					
Pinoxaden (herbicide)							
Avocado	358	0			0.020		NT
Pineapple, Fresh	656	0			0.020		NT
Pineapple, Frozen	52	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.020		NT
TOTAL	1,745	0					
Piperonyl butoxide (insecticide)							
Apples	704	0			0.005		10 FH
Avocado	706	0			0.003 - 0.040		10 FH
Blackberries, Fresh	685	13	1.9	0.005 - 0.14	0.005		10 FH
Blackberries, Frozen	24	0			0.005		10 FH
Cherry Tomatoes	529	9	1.7	0.011 - 1.1	0.010		10 FH
Cucumbers	708	0			0.002 - 0.010		10 FH
Lettuce, Head	708	0			0.006		10 FH
Lettuce, Leaf	706	14	2	0.018 - 1.5	0.006		10 FH
Onions	708	0			0.005		10 FH
Oranges	709	0			0.005		10 FH
Pineapple, Fresh	656	34	5.2	0.003 - 0.031	0.003		10 FH
Pineapple, Frozen	52	2	3.8	0.005 - 0.007	0.003		10 FH
Potatoes	177	0			0.010		10 FH
Pumpkin, Canned	706	0			0.005		10 FH
Sweet Corn, Fresh	607	5	0.8	0.006 - 0.16	0.005		10 FH
Sweet Corn, Frozen	101	0			0.005		10 FH
Tomatillos	<u>679</u>	<u>0</u>			0.003		10 FH
TOTAL	9,165	77					
Pirimicarb (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,986	0					
Pirimicarb desmethyl (metabolite of Pirimicarb)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.001		NT
Cucumbers	348	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Pirimiphos ethyl (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Pirimiphos methyl (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	0			0.001		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,695	0					
Prallethrin (insecticide)							
Apples	704	0			0.010		1.0 FH
Avocado	706	0			0.020		1.0 FH
Blackberries, Fresh	685	0			0.008		1.0 FH
Blackberries, Frozen	24	0			0.008		1.0 FH
Cherry Tomatoes	529	0			0.045		1.0 FH
Cucumbers	348	0			0.045		1.0 FH
Lettuce, Head	708	0			0.010		1.0 FH
Lettuce, Leaf	706	0			0.010		1.0 FH
Oranges	709	0			0.010		1.0 FH
Pineapple, Fresh	656	0			0.020		1.0 FH
Pineapple, Frozen	52	0			0.020		1.0 FH
Potatoes	177	0			0.045		1.0 FH
Sweet Corn, Fresh	607	0			0.020		1.0 FH
Sweet Corn, Frozen	101	0			0.020		1.0 FH
Tomatillos	<u>679</u>	<u>0</u>			0.020		1.0 FH
TOTAL	7,391	0					
Pretilachlor (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Primisulfuron methyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Prochloraz (fungicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.005		NT
Cherry Tomatoes	529	0			0.030		NT
Cucumbers	348	0			0.030		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	4,035	0					
Procymidone (fungicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,921	0					
Prodiamine (herbicide)							
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Potatoes	<u>177</u>	<u>0</u>			0.005		NT
TOTAL	1,054	0					
Profenofos (insecticide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.075		NT
Blackberries, Frozen	24	0			0.075		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>3</u>	0.4	0.002 - 0.005	0.001	V-3	NT
TOTAL	7,751	3					
Profluralin (herbicide)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	<u>52</u>	<u>0</u>			0.005		NT
TOTAL	1,066	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Promecarb (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Prometon (herbicide)							
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	<u>706</u>	<u>0</u>			0.001		NT
TOTAL	2,828	0					
Prometryn (herbicide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Lettuce, Head	708	1	0.1	0.004	0.003	V-1	NT
Lettuce, Leaf	706	4	0.6	0.004 - 0.16	0.003	V-4	NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,987	5					
Pronamide (herbicide)							
Apples	704	0			0.005		0.1
Avocado	706	0			0.001 - 0.005		NT
Blackberries, Fresh	685	0			0.002		0.05
Blackberries, Frozen	24	0			0.002		0.05
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Lettuce, Head	708	0			0.010		1.0
Lettuce, Leaf	706	16	2.3	0.011 - 0.053	0.010		1.0
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,165	16					
Propachlor (herbicide)							
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.001		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,519	0					
Propamocarb (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>127</u>	18.7	0.001 - 0.78	0.001		4
TOTAL	3,158	127					
Propamocarb hydrochloride ⁴ (fungicide)							
Avocado	348	0			0.002		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Lettuce, Head	708	182	25.7	0.005 - 3.3	0.005		150
Lettuce, Leaf	706	208	29.5	0.005 - 41.6	0.005		150
Potatoes	177	5	2.8	0.007 - 0.028	0.005		0.3 TP
Sweet Corn, Fresh	582	0			0.002		NT
Sweet Corn, Frozen	<u>97</u>	<u>0</u>			0.002		NT
TOTAL	3,327	395					
Propanil (herbicide)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Propaquizafop (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Propargite (insecticide)							
Apples	684	0			0.020		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.050		NT
Blackberries, Frozen	24	0			0.050		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	708	0			0.006 - 0.020		NT
Lettuce, Head	708	0			0.008		NT
Lettuce, Leaf	706	0			0.008		NT
Onions	708	0			0.020 - 0.040		NT
Oranges	709	0			0.020		10.0
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		0.1
Pumpkin, Canned	706	0			0.006 - 0.020		NT
Sweet Corn, Fresh	607	0			0.050		0.1 OT
Sweet Corn, Frozen	101	0			0.050		0.1 OT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	8,797	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Propazine (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Propetamphos (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.005		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.20		NT
Cucumbers	708	0			0.001 - 0.20		NT
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.003 - 0.006		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.020 - 0.10		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	8,109	0					
Propham (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Propiconazole (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.010		0.2
Blackberries, Fresh	685	7	1	0.010 - 0.12	0.010		1.0
Blackberries, Frozen	24	0			0.010		1.0
Cherry Tomatoes	529	0			0.020		3.0
Cucumbers	708	0			0.005 - 0.020		NT
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	2	0.3	0.006 - 0.007	0.005	V-2	NT
Onions	708	0			0.005 - 0.015		0.2
Oranges	709	8	1.1	0.010 - 0.055	0.010		8.0
Pineapple, Fresh	656	9	1.4	0.001 - 0.009	0.001		4.5
Pineapple, Frozen	52	0			0.001		4.5
Potatoes	177	0			0.020		NT
Pumpkin, Canned	706	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		0.1
Sweet Corn, Frozen	101	0			0.005		0.1
Tomatillos	<u>679</u>	<u>67</u>	9.9	0.001 - 0.021	0.001		3.0
TOTAL	9,165	93					
Proquinazid (fungicide)							
Avocado	358	0			0.005		NT
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	3,159	0					
Prosulfuron (herbicide)							
Avocado	706	0			0.003 - 0.010		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	319	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.010		0.01
Sweet Corn, Frozen	101	0			0.010		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,826	0					
Prothioconazole (fungicide)							
Sweet Corn, Fresh	607	0			0.10		0.04
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.10		0.04
TOTAL	708	0					
Prothioconazole desthio (metabolite of Prothioconazole)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.025		NT
Cucumbers	348	0			0.025		0.30
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.007	0.001	V-1	NT
TOTAL	2,622	1					
Prothiofos (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.080		NT
Cucumbers	348	0			0.080		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.080		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Pydiflumetofen (fungicide)							
Avocado	706	0			0.001 - 0.010		NT
Cherry Tomatoes	529	44	8.3	0.010 - 0.12	0.010		0.60
Cucumbers	708	52	7.3	0.002 - 0.076	0.001 - 0.010		0.50
Lettuce, Head	708	0			0.010		40
Lettuce, Leaf	706	12	1.7	0.016 - 1.3	0.010		40
Onions	708	4	0.6	0.002 - 0.003	0.001		0.2
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.015
Pumpkin, Canned	706	2	0.3	0.002	0.001		0.50
Sweet Corn, Fresh	607	0			0.010		0.01
Sweet Corn, Frozen	101	0			0.010		0.01
Tomatillos	<u>679</u>	<u>15</u>	2.2	0.001 - 0.027	0.001		0.60
TOTAL	7,043	129					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pymetrozine (insecticide)							
Apples	625	0			0.010		NT
Avocado	358	0			0.001		NT
Cucumbers	708	5	0.7	0.003 - 0.011	0.002 - 0.050		0.1
Lettuce, Head	708	0			0.050		0.6
Lettuce, Leaf	706	0			0.050		0.6
Oranges	627	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.085		0.02
Pumpkin, Canned	706	0			0.002		0.1
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.2
TOTAL	6,002	5					
Pyraclofos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Pyraclostrobin (fungicide)							
Apples	704	228	32.4	0.003 - 0.16	0.003		1.5
Avocado	706	1	0.1	0.001	0.001		0.6
Blackberries, Fresh	685	187	27.3	0.003 - 0.73	0.003		4.0
Blackberries, Frozen	24	4	16.7	0.004 - 0.028	0.003		4.0
Cherry Tomatoes	529	99	18.7	0.005 - 0.43	0.005		1.4
Cucumbers	708	55	7.8	0.002 - 0.075	0.001 - 0.005		0.5
Lettuce, Head	708	10	1.4	0.006 - 0.058	0.005		40
Lettuce, Leaf	706	34	4.8	0.006 - 1.7	0.005		40
Onions	708	0			0.001		0.9
Oranges	709	1	0.1	0.003	0.003		2.0
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.04
Pumpkin, Canned	706	0			0.001		0.5
Sweet Corn, Fresh	607	0			0.001		0.04
Sweet Corn, Frozen	101	0			0.001		0.04
Tomatillos	<u>679</u>	<u>27</u>	4	0.001 - 0.010	0.001		1.4
TOTAL	9,165	646					
Pyraflufen ethyl (herbicide)							
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.030		NT
Cucumbers	348	0			0.030		NT
Lettuce, Head	708	0			0.006		NT
Lettuce, Leaf	706	0			0.006		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.030		0.02
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,978	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pyrazon (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Pyrazophos (fungicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Pyrethrins (insecticide)							
Avocado	358	0			0.005 - 0.006		1.0 FH
Cherry Tomatoes	529	0			0.20		1.0 OT
Cucumbers	348	0			0.20		1.0 FH
Pineapple, Fresh	656	0			0.005 - 0.006		1.0 OT
Pineapple, Frozen	52	0			0.005 - 0.006		1.0 OT
Potatoes	177	0			0.20		1.0 FH
Tomatillos	<u>679</u>	<u>0</u>			0.005		1.0 OT
TOTAL	2,799	0					
Pyridaben (insecticide, acaricide)							
Apples	704	6	0.9	0.009 - 0.023	0.005		0.75
Avocado	706	0			0.001 - 0.020		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	1	0.2	0.002	0.001		0.15
Cucumbers	348	1	0.3	0.001	0.001		0.50
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Oranges	709	0			0.005		0.9
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.001		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.15
TOTAL	7,391	8					
Pyridalyl (insecticide)							
Avocado	328	0			0.001		NT
Cucumbers	348	0			0.030		NT
Lettuce, Head	708	2	0.3	0.004 - 0.016	0.002		20
Lettuce, Leaf	706	1	0.1	0.003	0.002		20
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>16</u>	2.4	0.001 - 0.016	0.001		1.0
TOTAL	4,185	19					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pyridaphenthion (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Pyrifluquinazon (insecticide)							
Avocado	706	0			0.001 - 0.002		NT
Cherry Tomatoes	529	8	1.5	0.006 - 0.087	0.005		0.30
Cucumbers	708	0			0.001 - 0.005		0.07
Lettuce, Head	708	0			0.002		5.0
Lettuce, Leaf	706	8	1.1	0.003 - 0.11	0.002		5.0
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.02
Pumpkin, Canned	706	0			0.001		0.07
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.30
TOTAL	7,043	16					
Pyrimethanil (fungicide)							
Apples	704	522	74.1	0.003 - 12	0.003		15
Avocado	706	0			0.002 - 0.005		NT
Blackberries, Fresh	685	39	5.7	0.053 - 1.2	0.050		15
Blackberries, Frozen	24	2	8.3	0.056 - 0.089	0.050		15
Cherry Tomatoes	529	28	5.3	0.005 - 0.13	0.005		0.50
Cucumbers	708	15	2.1	0.002 - 0.013	0.001 - 0.005		1.5
Lettuce, Head	708	0			0.004		NT
Lettuce, Leaf	706	5	0.7	0.004 - 0.019	0.004	V-5	NT
Onions	708	1	0.1	0.002	0.001		0.2
Oranges	709	127	17.9	0.003 - 0.48	0.003		10
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.005		0.05
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.006	0.005		0.50
TOTAL	9,165	740					
Pyriofenone (fungicide)							
Avocado	706	0			0.001		NT
Cherry Tomatoes	529	2	0.4	0.008 - 0.030	0.005		0.2
Cucumbers	708	0			0.001 - 0.005		0.30
Lettuce, Head	708	0			0.005		NT
Lettuce, Leaf	706	0			0.005		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		0.30
Sweet Corn, Fresh	607	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		Detections	Detections				Tolerance Level, ppm
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.2
TOTAL	7,043	2					
Pyriproxyfen (insecticide, growth regulator)							
Apples	704	1	0.1	0.006	0.005		0.20
Avocado	706	0			0.001		1.0
Blackberries, Fresh	685	13	1.9	0.001 - 0.027	0.001		1.0
Blackberries, Frozen	24	0			0.001		1.0
Cherry Tomatoes	529	82	15.5	0.005 - 0.22	0.005		0.80
Cucumbers	708	0			0.001 - 0.005		0.10
Lettuce, Head	708	0			0.012		3.0
Lettuce, Leaf	706	0			0.012		3.0
Onions	708	0			0.001		0.70
Oranges	709	0			0.005		0.50
Pineapple, Fresh	656	0			0.001		0.30
Pineapple, Frozen	52	0			0.001		0.30
Potatoes	177	0			0.005		0.15
Pumpkin, Canned	706	0			0.001		0.10
Sweet Corn, Fresh	607	0			0.001		1.1
Sweet Corn, Frozen	101	0			0.001		1.1
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.80
TOTAL	9,165	96					
Pyroxasulfone (herbicide)							
Avocado	706	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Sweet Corn, Fresh	607	0			0.001		0.015
Sweet Corn, Frozen	101	0			0.001		0.015
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	2,801	0					
Pyroxsulam (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Quinalphos (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Quinoxifen (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	0			0.020		NT
Blackberries, Frozen	24	0			0.020		NT

Pesticide / Commodity	Number of Samples	Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance
		Detections	Detections				Level, ppm
Cherry Tomatoes	529	5	0.9	0.011 - 0.034	0.005		1.7
Cucumbers	708	0			0.001 - 0.005		NT
Lettuce, Head	708	4	0.6	0.002 - 0.006	0.001		7.0
Lettuce, Leaf	706	11	1.6	0.002 - 0.46	0.001		19
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001 - 0.004		0.20
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.033	0.001		1.7
TOTAL	9,165	21					
Quintozone - PCNB (fungicide) (parent of HCB, PCA, PCB and PCPMS)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001 - 0.010		NT
Cherry Tomatoes	529	0			0.010		0.1
Cucumbers	708	0			0.003 - 0.010		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.1
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.1
TOTAL	7,042	0					
Quizalofop ethyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		0.1 OT
Pineapple, Frozen	52	0			0.001		0.1 OT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Resmethrin (insecticide)							
Apples	684	0			0.020		3.0 FH
Avocado	298	0			0.003		3.0 FH
Cherry Tomatoes	529	0			0.030		3.0 FH
Cucumbers	348	0			0.030		3.0 FH
Lettuce, Head	708	0			0.010		3.0 FH
Lettuce, Leaf	706	0			0.010		3.0 FH
Oranges	709	0			0.020		3.0 FH
Pineapple, Fresh	656	0			0.003		3.0 FH
Pineapple, Frozen	52	0			0.003		3.0 FH
Potatoes	177	0			0.030		3.0 FH
Sweet Corn, Fresh	607	0			0.020		3.0 FH
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.020		3.0 FH
TOTAL	5,575	0					
Resmethrin trans (isomer of Resmethrin)							
Cucumbers	360	0			0.002		3.0 FH
Onions	708	0			0.002		3.0 FH
Pumpkin, Canned	<u>706</u>	<u>0</u>			0.002		3.0 FH
TOTAL	1,774	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Rimsulfuron (herbicide)							
Apples	704	0			0.010		0.01
Avocado	348	0			0.020		NT
Cucumbers	348	0			0.030		NT
Lettuce, Head	708	0			0.007		NT
Lettuce, Leaf	706	0			0.007		NT
Oranges	709	0			0.010		0.01
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.020		NT
TOTAL	4,231	0					
Rotenone (insecticide)							
Avocado	358	0			0.003		EX5
Pineapple, Fresh	656	0			0.003		EX5
Pineapple, Frozen	52	0			0.003		EX5
Tomatillos	<u>679</u>	<u>0</u>			0.003		EX5
TOTAL	1,745	0					
Saflufenacil (herbicide)							
Apples	704	0			0.005		0.03
Avocado	706	0			0.003 - 0.005		NT
Blackberries, Fresh	685	0			0.010		0.04
Blackberries, Frozen	24	0			0.010		0.04
Cucumbers	360	0			0.002		NT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Onions	708	0			0.005 - 0.010		NT
Oranges	709	0			0.005		0.03
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Pumpkin, Canned	706	0			0.002 - 0.005		NT
Sweet Corn, Fresh	607	0			0.005		0.03
Sweet Corn, Frozen	101	0			0.005		0.03
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	8,111	0					
S-Bioallethrin (insecticide)							
Avocado	328	1	0.3	0.012	0.010	V-1	NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	1,715	1					
Sedaxane (fungicide)							
Avocado	706	0			0.005 - 0.020		NT
Cherry Tomatoes	529	0			0.050		NT
Cucumbers	348	0			0.050		0.01
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.050		0.02
Sweet Corn, Fresh	607	0			0.020		0.01
Sweet Corn, Frozen	101	0			0.020		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	3,855	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Sethoxydim (herbicide)							
Avocado	678	0			0.003 - 0.020		NT
Blackberries, Fresh	685	0			0.003		5.0
Blackberries, Frozen	24	0			0.003		5.0
Cherry Tomatoes	529	0			0.010		4.0
Cucumbers	348	0			0.010		4.0
Lettuce, Head	708	0			0.002		4.0
Lettuce, Leaf	706	0			0.002		4.0
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		4.0
Sweet Corn, Fresh	607	0			0.020		0.4
Sweet Corn, Frozen	101	0			0.020		0.4
Tomatillos	<u>679</u>	<u>0</u>			0.003		4.0
TOTAL	5,950	0					
Siduron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Simazine (herbicide)							
Avocado	706	0			0.001 - 0.010		0.20
Blackberries, Fresh	685	0			0.005		0.20
Blackberries, Frozen	24	0			0.005		0.20
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.003 - 0.010		NT
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT
Onions	708	0			0.003		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.003		NT
Sweet Corn, Fresh	607	0			0.010		0.25
Sweet Corn, Frozen	101	0			0.010		0.25
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,752	0					
Simeconazole (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Simetryn (herbicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,158	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Spinetoram (insecticide)							
Apples	704	0			0.010		0.20
Avocado	358	0			0.010		0.30
Blackberries, Fresh	685	126	18.4	0.003 - 0.24	0.003		0.80
Blackberries, Frozen	24	5	20.8	0.018 - 0.080	0.003		0.80
Cherry Tomatoes	529	0			0.010		0.40
Cucumbers	708	9	1.3	0.002 - 0.050	0.001 - 0.010		0.30
Lettuce, Head	708	2	0.3	0.006 - 0.007	0.005		10
Lettuce, Leaf	706	98	13.9	0.005 - 0.18	0.005		10
Onions	708	0			0.001 - 0.003		0.10
Oranges	709	0			0.010		0.30
Pineapple, Fresh	656	0			0.010		0.04
Pineapple, Frozen	52	0			0.010		0.04
Potatoes	177	0			0.010		0.10
Pumpkin, Canned	706	0			0.001 - 0.003		0.30
Tomatillos	<u>679</u>	<u>0</u>			0.010		0.40
TOTAL	8,109	240					
Spinetoram J (metabolite of Spinetoram)							
Avocado	348	0			0.005		0.30
Sweet Corn, Fresh	607	0			0.005		0.04
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.005		0.04
TOTAL	1,056	0					
Spinetoram L (metabolite of Spinetoram)							
Avocado	348	0			0.005		0.30
Sweet Corn, Fresh	607	0			0.005		0.04
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.005		0.04
TOTAL	1,056	0					
Spinosad (insecticide) (total of spinosyns A and D)							
Apples	704	2	0.3	0.005 - 0.017	0.004		0.20
Avocado	358	0			0.003		0.3
Cherry Tomatoes	529	1	0.2	0.027	0.020		0.40
Cucumbers	708	11	1.6	0.002 - 0.083	0.001 - 0.020		0.3
Lettuce, Head	708	0			0.005		10
Lettuce, Leaf	706	3	0.4	0.011 - 0.26	0.005		10
Onions	708	0			0.001 - 0.003		0.10
Oranges	709	0			0.004		0.30
Pineapple, Fresh	656	0			0.003		0.02
Pineapple, Frozen	52	0			0.003		0.02
Potatoes	177	0			0.010		0.10
Pumpkin, Canned	706	0			0.001		0.3
Tomatillos	<u>679</u>	<u>0</u>			0.003		0.40
TOTAL	7,400	17					
Spinosad A (isomer of Spinosad)							
Avocado	348	0			0.002		0.3
Blackberries, Fresh	685	57	8.3	0.003 - 0.12	0.003		1.0
Blackberries, Frozen	24	1	4.2	0.007	0.003		1.0
Sweet Corn, Fresh	607	0			0.002		0.02
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002		0.02
TOTAL	1,765	58					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Spinosad D (isomer of Spinosad)							
Avocado	348	0			0.002		0.3
Sweet Corn, Fresh	607	0			0.002		0.02
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002		0.02
TOTAL	1,056	0					
Spirodiclofen (acaricide)							
Apples	704	83	11.8	0.011 - 0.12	0.010		0.80
Avocado	706	0			0.003 - 0.050		1.0
Blackberries, Fresh	685	1	0.1	0.010	0.010	V-1	NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.006 - 0.010		NT
Lettuce, Head	708	0			0.004		NT
Lettuce, Leaf	706	0			0.004		NT
Onions	708	0			0.006		NT
Oranges	709	0			0.010		0.50
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.006		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	9,165	84					
Spiromesifen Total (parent + enol metabolite) (insecticide)							
Cucumbers	360	10	2.8	0.004	0.002		0.10
Onions	708	0			0.002		0.09 IN
Pumpkin, Canned	<u>706</u>	<u>0</u>			0.002		0.10
TOTAL	1,774	10					
Spiromesifen (insecticide)							
Apples	704	0			0.002		NT
Avocado	706	0			0.003 - 0.020		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	63	11.9	0.020 - 0.18	0.020		0.45
Cucumbers	348	0			0.020		0.10
Lettuce, Head	708	0			0.002		12
Lettuce, Leaf	706	0			0.002		12
Oranges	709	0			0.002		0.15 OT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.020 - 0.040		0.02
Sweet Corn, Fresh	607	0			0.005		0.02
Sweet Corn, Frozen	101	0			0.005		0.02
Tomatillos	<u>679</u>	<u>1</u>	0.1	0.005	0.003		0.45
TOTAL	7,391	64					
Spiromesifen alcohol (metabolite of Spiromesifen)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.45 TP
TOTAL	1,745	0					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Spiromesifen enol ⁵ (metabolite of Spiromesifen)							
Cherry Tomatoes	529	0			0.010		0.45
Cucumbers	348	0			0.010		0.10
Potatoes	<u>177</u>	<u>0</u>			0.010		0.02
TOTAL	1,054	0					
Spiropidion (insecticide)							
Avocado	358	0			0.005		NT
Cherry Tomatoes	529	0			0.005		0.8 OT
Cucumbers	708	0			0.001 - 0.005		0.8 OT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Pumpkin, Canned	706	0			0.001		0.9 OT
Tomatillos	<u>679</u>	<u>0</u>			0.005		0.8 OT
TOTAL	4,396	0					
Spirotetramat (insecticide)							
Apples	704	1	0.1	0.011	0.010		0.70
Avocado	706	0			0.001 - 0.002		0.60
Blackberries, Fresh	685	3	0.4	0.002 - 0.004	0.002	V-3	NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	9	1.7	0.006 - 0.037	0.005		2.5
Cucumbers	708	0			0.002 - 0.005		0.30
Lettuce, Head	708	5	0.7	0.004 - 0.009	0.003		9.0
Lettuce, Leaf	706	81	11.5	0.003 - 0.37	0.003		9.0
Onions	708	0			0.002		0.80
Oranges	709	0			0.010		0.60
Pineapple, Fresh	656	0			0.001		0.30
Pineapple, Frozen	52	0			0.001		0.30
Potatoes	177	0			0.005		0.60
Pumpkin, Canned	706	0			0.002		0.30
Sweet Corn, Fresh	607	0			0.002		1.5
Sweet Corn, Frozen	101	0			0.002		1.5
Tomatillos	<u>679</u>	<u>0</u>			0.001		2.5
TOTAL	9,165	99					
Spiroxamine (fungicide)							
Apples	684	0			0.010		NT
Avocado	619	0			0.001 - 0.002		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.005		1.2 OT
Cucumbers	348	0			0.005		NT
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Oranges	689	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	507	0			0.002		NT
Sweet Corn, Frozen	84	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		1.2 OT
TOTAL	7,147	0					
Sulfallate (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Sulfentrazone (herbicide)							
Apples	704	0			0.005		0.15
Avocado	706	0			0.003 - 0.020		NT
Cherry Tomatoes	529	0			0.035		0.15
Cucumbers	348	0			0.035		NT
Lettuce, Head	708	0			0.050		NT
Lettuce, Leaf	706	0			0.050		NT
Oranges	709	0			0.005		0.15
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.035		0.15
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		0.15
TOTAL	6,682	0					
Sulfometuron methyl (herbicide)							
Avocado	358	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	1,745	0					
Sulfosulfuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Sulfoxaflor (insecticide)							
Avocado	706	0			0.003 - 0.050		0.15
Cherry Tomatoes	529	11	2.1	0.10 - 0.26	0.10		0.70
Cucumbers	708	19	2.7	0.002 - 0.019	0.001 - 0.10		0.40
Lettuce, Head	708	1	0.1	0.010	0.010		6
Lettuce, Leaf	706	16	2.3	0.010 - 0.048	0.010		6
Onions	708	0			0.001 - 0.004		0.01
Pineapple, Fresh	656	4	0.6	0.003 - 0.006	0.003		0.1
Pineapple, Frozen	52	0			0.003		0.1
Potatoes	177	0			0.10		0.05
Pumpkin, Canned	706	0			0.001		0.40
Sweet Corn, Fresh	607	0			0.050		0.01
Sweet Corn, Frozen	101	0			0.050		0.01
Tomatillos	<u>679</u>	<u>4</u>	0.6	0.003 - 0.005	0.003		0.70
TOTAL	7,043	55					
Sulprofos (insecticide)							
Avocado	358	0			0.003		NT
Cucumbers	360	0			0.002		NT
Onions	708	0			0.002		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,519	0					
TCMTB (fungicide)							
Avocado	706	0			0.005 - 0.020		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.020		NT
Sweet Corn, Fresh	605	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	3,853	0					
Tebuconazole (fungicide)							
Apples	704	1	0.1	0.008	0.005		1
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	2	0.3	0.017 - 0.062	0.010	V-2	NT
Blackberries, Frozen	24	1	4.2	0.027	0.010	V-1	NT
Cherry Tomatoes	529	12	2.3	0.011 - 0.098	0.010		1.3
Cucumbers	708	17	2.4	0.002 - 0.049	0.001 - 0.010		0.4
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT
Onions	708	2	0.3	0.002	0.001		0.2
Oranges	709	0			0.005		1.0 OT
Pineapple, Fresh	656	1	0.2	0.002	0.001	V-1	NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.015		NT
Pumpkin, Canned	706	16	2.3	0.002	0.001		0.4
Sweet Corn, Fresh	607	3	0.5	0.001 - 0.011	0.001		0.5
Sweet Corn, Frozen	101	3	3	0.001 - 0.003	0.001		0.5
Tomatillos	<u>679</u>	<u>152</u>	22.4	0.001 - 0.030	0.001		1.3
TOTAL	9,165	210					
Tebufoenozide (insecticide)							
Apples	704	1	0.1	0.006	0.005		1.0
Avocado	358	0			0.005		NT
Blackberries, Fresh	685	0			0.002		3.0
Blackberries, Frozen	24	0			0.002		3.0
Cherry Tomatoes	529	0			0.010		1.0
Cucumbers	708	0			0.005 - 0.010		NT
Lettuce, Head	708	0			0.001		10.0
Lettuce, Leaf	706	4	0.6	0.001 - 0.004	0.001		10.0
Onions	708	0			0.002 - 0.010		NT
Oranges	709	0			0.005		2.0
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.005 - 0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		1.0
TOTAL	8,109	5					
Tebufoenpyrad (insecticide, acaricide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Tebupirimfos (insecticide)							
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.001		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,519	0					
Tebutam (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Tebuthiuron (herbicide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.003 - 0.010		NT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,573	0					
Tecnazene (plant growth regulator)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cucumbers	360	0			0.001		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,932	0					
Teflubenzuron (insecticide)							
Cherry Tomatoes	529	0			0.010		1.5 OT
Cucumbers	348	0			0.010		NT
Lettuce, Head	708	0			0.020		NT
Lettuce, Leaf	706	0			0.020		NT
Pineapple, Fresh	629	0			0.005		0.80 OT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Frozen	50	0			0.005		0.80 OT
Potatoes	<u>177</u>	<u>0</u>			0.020		NT
TOTAL	3,147	0					
Tefluthrin (insecticide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.003 - 0.020		NT
Blackberries, Fresh	685	0			0.002		NT
Blackberries, Frozen	24	0			0.002		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.020		0.06
Sweet Corn, Frozen	101	0			0.020		0.06
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	9,165	0					
Tembotrione (herbicide)							
Avocado	348	0			0.050		NT
Sweet Corn, Fresh	607	0			0.050		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.050		0.01
TOTAL	1,056	0					
Temephos (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Tepraloxydim (herbicide)							
Avocado	358	0			0.010		NT
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	1,745	0					
Terbacil (herbicide)							
Apples	704	0			0.008		0.3
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.010		0.2
Blackberries, Frozen	24	0			0.010		0.2
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.010		NT
Onions	708	0			0.003		NT
Oranges	709	0			0.008		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		NT
Pumpkin, Canned	706	0			0.003 - 0.010		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	7,751	0					
Terbufos (insecticide)							
Avocado	706	0			0.001 - 0.002		NT
Cherry Tomatoes	529	0			0.040		NT
Cucumbers	348	0			0.040		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		NT
Sweet Corn, Fresh	607	0			0.002		0.05
Sweet Corn, Frozen	101	0			0.002		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,855	0					
Terbufos oxygen analog (metabolite of Terbufos)							
Avocado	348	0			0.002		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.002		0.05
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002		0.05
TOTAL	2,110	0					
Terbufos oxygen analog sulfone (metabolite of Terbufos)							
Avocado	348	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.001		0.05
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.001		0.05
TOTAL	2,110	0					
Terbufos oxygen analog sulfoxide (metabolite of Terbufos)							
Avocado	348	0			0.001		NT
Sweet Corn, Fresh	607	0			0.001		0.05
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.001		0.05
TOTAL	1,056	0					
Terbufos sulfone (metabolite of Terbufos)							
Avocado	706	0			0.002 - 0.005		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Onions	708	0			0.001 - 0.003		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.002		0.05
Sweet Corn, Frozen	101	0			0.002		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	5,629	0					
Terbufos sulfoxide (metabolite of Terbufos)							
Avocado	706	0			0.001 - 0.003		NT
Cherry Tomatoes	529	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Cucumbers	348	0			0.005		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.005		NT
Sweet Corn, Fresh	607	0			0.001		0.05
Sweet Corn, Frozen	101	0			0.001		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,855	0					
Terbuthylazine (herbicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	348	0			0.005		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Terbutryn (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Tetrachlorvinphos (insecticide)							
Avocado	328	0			0.001		NT
Cucumbers	360	0			0.002		NT
Onions	708	0			0.002 - 0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Pumpkin, Canned	706	0			0.002 - 0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	3,489	0					
Tetraconazole (fungicide)							
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	8	1.5	0.014 - 0.063	0.010		0.30
Cucumbers	708	1	0.1	0.012	0.001 - 0.010		0.15
Lettuce, Head	708	0			0.004		NT
Lettuce, Leaf	706	0			0.004		NT
Onions	708	0			0.001 - 0.006		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	20	2.8	0.002 - 0.010	0.001		0.15
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>4</u>	0.6	0.001 - 0.006	0.001		0.30
TOTAL	7,752	33					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Tetradifon (insecticide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.005		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	708	0			0.002 - 0.020		NT
Onions	708	0			0.002		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.020		NT
Pumpkin, Canned	706	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	6,695	0					
Tetrahydrophthalimide - THPI (fungicide) (metabolite of Captafol and Captan)							
Avocado	358	0			0.005		NT
Blackberries, Fresh	685	107	15.6	0.011 - 2.1	0.010		25.0 TP
Blackberries, Frozen	24	6	25	0.020 - 0.49	0.010		25.0 TP
Cherry Tomatoes	529	7	1.3	0.017 - 0.37	0.015	X-4	0.05 TP
Cucumbers	708	2	0.3	0.035 - 0.049	0.012 - 0.015		0.05 TP
Lettuce, Head	708	0			0.040		0.05 TP
Lettuce, Leaf	706	0			0.040		0.05 TP
Onions	708	0			0.004 - 0.012		0.05 TP
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Pumpkin, Canned	706	0			0.012		0.05 TP
Tomatillos	<u>679</u>	<u>8</u>	1.2	0.005 - 0.016	0.005 - 0.010		0.05 TP
TOTAL	6,519	130					
Tetramethrin (insecticide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.005 - 0.10		NT
Blackberries, Fresh	685	0			0.005		NT
Blackberries, Frozen	24	0			0.005		NT
Cherry Tomatoes	529	0			0.020		NT
Cucumbers	348	0			0.020		NT
Lettuce, Head	708	0			0.020		NT
Lettuce, Leaf	706	0			0.020		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Potatoes	177	0			0.020		NT
Sweet Corn, Fresh	607	0			0.020		NT
Sweet Corn, Frozen	101	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	7,391	0					
Tetraniliprole (insecticide)							
Avocado	706	0			0.005		NT
Cherry Tomatoes	529	0			0.050		0.4
Cucumbers	708	0			0.001 - 0.050		NT
Lettuce, Head	708	0			0.005		20
Lettuce, Leaf	706	0			0.005		20
Onions	587	0			0.003 - 0.012		NT
Pineapple, Fresh	656	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		Detections	Detections				Tolerance Level, ppm
Pineapple, Frozen	52	0			0.005		NT
Pumpkin, Canned	706	0			0.001 - 0.003		NT
Sweet Corn, Fresh	607	0			0.005		0.01
Sweet Corn, Frozen	101	0			0.005		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.005		0.4
TOTAL	6,745	0					
Thiabendazole (fungicide) (parent of 5-hydroxythiabendazole)							
Apples	704	239	33.9	0.010 - 2.8	0.010		10
Avocado	706	7	1	0.001 - 0.13	0.001 - 0.005		10.0 OT
Blackberries, Fresh	685	4	0.6	0.002 - 0.038	0.002	V-4	NT
Blackberries, Frozen	24	1	4.2	0.018	0.002	V-1	NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		0.02
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	0			0.002		NT
Onions	708	0			0.001		0.02
Oranges	709	510	71.9	0.010 - 0.43	0.010		10
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	16	9	0.005 - 1.8	0.005		10
Pumpkin, Canned	706	0			0.001		0.02
Sweet Corn, Fresh	607	0			0.005		0.01
Sweet Corn, Frozen	101	0			0.005		0.01
Tomatillos	<u>679</u>	<u>2</u>	0.3	0.003	0.001	V-2	NT
TOTAL	9,165	779					
Thiacloprid (insecticide)							
Apples	704	0			0.010		0.30 OT
Avocado	706	0			0.001 - 0.002		NT
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	1	4.2	0.004	0.001	V-1	NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Lettuce, Head	708	0			0.015		NT
Lettuce, Leaf	706	0			0.015		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Sweet Corn, Fresh	607	0			0.002		NT
Sweet Corn, Frozen	101	0			0.002		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	9,165	1					
Thiamethoxam (insecticide) (also a parent of Clothianidin)							
Apples	704	1	0.1	0.059	0.010		0.2
Avocado	706	0			0.001 - 0.010		0.40
Blackberries, Fresh	685	22	3.2	0.004 - 0.065	0.003		0.35
Blackberries, Frozen	24	2	8.3	0.027 - 0.037	0.003		0.35
Cherry Tomatoes	529	15	2.8	0.005 - 0.042	0.005		0.25
Cucumbers	708	130	18.4	0.003 - 0.28	0.002 - 0.005		0.2
Lettuce, Head	708	3	0.4	0.058 - 0.24	0.050		4.0
Lettuce, Leaf	706	4	0.6	0.051 - 0.11	0.050		4.0
Onions	708	29	4.1	0.003 - 0.007	0.002		0.03

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Oranges	709	0			0.010		0.40
Pineapple, Fresh	656	0			0.001		0.04 OT
Pineapple, Frozen	52	0			0.001		0.04 OT
Potatoes	177	17	9.6	0.005 - 0.030	0.005		0.25
Pumpkin, Canned	706	4	0.6	0.003	0.002		0.2
Sweet Corn, Fresh	607	0			0.010		0.02
Sweet Corn, Frozen	101	0			0.010		0.02
Tomatillos	<u>679</u>	<u>4</u>	0.6	0.002 - 0.003	0.001		0.25
TOTAL	9,165	231					
Thiazopyr (herbicide)							
Avocado	706	0			0.003 - 0.010		NT
Blackberries, Fresh	685	0			0.008		NT
Blackberries, Frozen	24	0			0.008		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	3,510	0					
Thidiazuron (plant growth regulator)							
Avocado	358	0			0.005		NT
Pineapple, Fresh	656	0			0.005		NT
Pineapple, Frozen	52	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.005		NT
TOTAL	1,745	0					
Thiencarbazon methyl (herbicide)							
Avocado	498	0			0.003 - 0.020		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Pineapple, Fresh	627	0			0.003		NT
Pineapple, Frozen	51	0			0.003		NT
Potatoes	177	0			0.020		NT
Sweet Corn, Fresh	607	1	0.2	0.017	0.010		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.010		0.01
TOTAL	2,938	1					
Thifensulfuron methyl (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Thiobencarb (herbicide)							
Avocado	358	0			0.003		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cucumbers	360	0			0.001		NT
Lettuce, Head	708	0			0.010		0.2 OT
Lettuce, Leaf	706	0			0.010		0.2 OT
Onions	708	0			0.001		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	5,642	0					
Thiodicarb (insecticide)							
Avocado	358	0			0.010		NT
Blackberries, Fresh	685	0			0.003		NT
Blackberries, Frozen	24	0			0.003		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Lettuce, Head	708	0			0.005		35
Lettuce, Leaf	706	0			0.005		35
Pineapple, Fresh	656	0			0.010		NT
Pineapple, Frozen	52	0			0.010		NT
Potatoes	177	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.010		NT
TOTAL	4,922	0					
Thionazin (insecticide, fumigant)							
Avocado	358	0			0.003		NT
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	1,745	0					
Thiophanate methyl (fungicide)							
Avocado	348	0			0.040		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.050 - 0.10		NT
Cucumbers	348	0			0.050 - 0.10		1.0
Lettuce, Head	708	0			0.007		NT
Lettuce, Leaf	706	0			0.007		NT
Sweet Corn, Fresh	607	0			0.040		NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.040		NT
TOTAL	4,056	0					
Tolclofos methyl (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Tolfenpyrad (insecticide)							
Avocado	676	0			0.003 - 0.005		1.5
Cucumbers	348	0			0.040		0.70
Lettuce, Head	708	0			0.003		30
Lettuce, Leaf	706	2	0.3	0.18 - 0.53	0.003		30
Pineapple, Fresh	656	0			0.003		NT
Pineapple, Frozen	52	0			0.003		NT
Potatoes	177	0			0.040		0.01
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		1.5
TOTAL	4,710	2					

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Tolpyralate (herbicide)							
Avocado	348	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.005		0.01
TOTAL	1,056	0					
Tolyfluanid (fungicide)							
Cherry Tomatoes	529	0			0.10		2.0 OT
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Potatoes	177	0			0.10		NT
Tomatillos	<u>178</u>	<u>0</u>			0.010 - 0.040		2.0 OT
TOTAL	2,298	0					
Topramezone (herbicide)							
Sweet Corn, Fresh	607	0			0.10		0.01
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.10		0.01
TOTAL	708	0					
Tri-Allate (herbicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001		NT
Lettuce, Head	708	0			0.001		NT
Lettuce, Leaf	706	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	5,628	0					
Triadimefon (fungicide) (also a parent of Triadimenol)							
Apples	704	0			0.005		NT
Avocado	358	0			0.003		NT
Cherry Tomatoes	529	0			0.005		NT
Cucumbers	708	0			0.001 - 0.005		NT
Onions	708	0			0.001 - 0.003		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.003		2.0
Pineapple, Frozen	52	0			0.003		2.0
Potatoes	177	0			0.005		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	5,986	0					
Triadimenol (fungicide) (also a metabolite of Triadimefon)							
Apples	704	0			0.005		NT
Avocado	706	0			0.040 - 0.10		NT
Cherry Tomatoes	529	0			0.040		NT
Cucumbers	348	0			0.040		NT
Lettuce, Head	707	0			0.001		NT
Lettuce, Leaf	706	1	0.1	0.072	0.001	V-1	NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.040		NT
Pineapple, Frozen	52	0			0.040		NT
Potatoes	177	0			0.040		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Sweet Corn, Fresh	607	0			0.10		0.05
Sweet Corn, Frozen	101	0			0.10		0.05
Tomatillos	<u>679</u>	<u>0</u>			0.040		NT
TOTAL	6,681	1					
Triasulfuron (herbicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Triazophos (insecticide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	4,212	0					
Tribenuron methyl (herbicide)							
Avocado	238	0			0.001		NT
Pineapple, Fresh	297	0			0.001		NT
Pineapple, Frozen	<u>27</u>	<u>0</u>			0.001		NT
TOTAL	562	0					
Trichlorfon (insecticide)							
Avocado	348	0			0.020		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.025		NT
Cucumbers	348	0			0.025		NT
Potatoes	<u>177</u>	<u>0</u>			0.050		NT
TOTAL	2,111	0					
Trichloronate (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Tricyclazole (fungicide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Trifloxystrobin (fungicide)							
Apples	704	27	3.8	0.005 - 0.048	0.005		0.7
Avocado	706	0			0.001		NT
Blackberries, Fresh	685	7	1	0.002 - 0.026	0.002		2 OT

Pesticide / Commodity	Number of Samples	Samples With	% of Samples With	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		Detections	Detections				Tolerance Level, ppm
Blackberries, Frozen	24	1	4.2	0.014	0.002		2 OT
Cherry Tomatoes	529	34	6.4	0.005 - 0.090	0.005		0.5
Cucumbers	708	7	1	0.002 - 0.012	0.001 - 0.005		0.50
Lettuce, Head	708	5	0.7	0.001 - 0.008	0.001		30
Lettuce, Leaf	706	6	0.8	0.002 - 0.071	0.001		30
Onions	708	0			0.001		0.04
Oranges	709	0			0.005		0.6
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.04
Pumpkin, Canned	706	0			0.001		0.50
Sweet Corn, Fresh	607	0			0.001		0.04
Sweet Corn, Frozen	101	0			0.001		0.04
Tomatillos	<u>679</u>	<u>9</u>	1.3	0.001 - 0.005	0.001		0.5
TOTAL	9,165	96					
Trifloxysulfuron (herbicide)							
Avocado	706	0			0.001 - 0.010		NT
Blackberries, Fresh	685	0			0.020		NT
Blackberries, Frozen	24	0			0.020		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.01
TOTAL	3,510	0					
Trifludimoxazin (herbicide)							
Avocado	558	0			0.005		NT
Pineapple, Fresh	386	0			0.005		NT
Pineapple, Frozen	30	0			0.005		NT
Sweet Corn, Fresh	607	0			0.005		0.01
Sweet Corn, Frozen	101	0			0.005		0.01
Tomatillos	<u>293</u>	<u>0</u>			0.005		NT
TOTAL	1,975	0					
Triflumezopyrim (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	544	0			0.001		NT
Pineapple, Frozen	46	0			0.001		NT
Tomatillos	<u>617</u>	<u>0</u>			0.001		NT
TOTAL	1,565	0					
Triflumizole (fungicide)							
Apples	704	0			0.003		0.50
Avocado	706	0			0.003 - 0.010		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	1	0.2	0.007	0.005		1.5
Cucumbers	708	12	1.7	0.003 - 0.057	0.002 - 0.005		0.5
Lettuce, Head	708	0			0.001		35
Lettuce, Leaf	706	0			0.001		35
Onions	708	0			0.002		NT
Oranges	709	0			0.003		NT
Pineapple, Fresh	656	0			0.003		4.0
Pineapple, Frozen	52	0			0.003		4.0
Potatoes	177	0			0.005		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pumpkin, Canned	706	0			0.002		0.5
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.003		1.5
TOTAL	9,165	13					
Trifluralin (herbicide)							
Apples	704	0			0.005		NT
Avocado	706	0			0.001		NT
Blackberries, Fresh	685	0			0.001		NT
Blackberries, Frozen	24	0			0.001		NT
Cherry Tomatoes	529	0			0.010		0.05
Cucumbers	708	0			0.001 - 0.010		0.05
Lettuce, Head	708	0			0.002		NT
Lettuce, Leaf	706	6	0.8	0.002 - 0.012	0.002	V-6	NT
Onions	708	0			0.001		0.05
Oranges	709	0			0.005		0.05
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		0.05
Pumpkin, Canned	706	0			0.001		0.05
Sweet Corn, Fresh	607	0			0.001		NT
Sweet Corn, Frozen	101	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.05
TOTAL	9,165	6					
Triforine (fungicide)							
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.40		0.5 OT
Cucumbers	348	0			0.40		NT
Potatoes	<u>177</u>	<u>0</u>			0.40		NT
TOTAL	1,763	0					
Triphenyltin hydroxide (fungicide) (metabolite of Triphenyltin)							
Cucumbers	348	0			0.10		NT
Potatoes	<u>177</u>	<u>0</u>			0.10		0.05
TOTAL	525	0					
Triticonazole (fungicide)							
Apples	704	0			0.010		NT
Avocado	706	0			0.003 - 0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	348	0			0.010		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.002 - 0.003		NT
Pineapple, Frozen	52	0			0.002 - 0.003		NT
Potatoes	177	0			0.010		NT
Sweet Corn, Fresh	607	0			0.010		0.01
Sweet Corn, Frozen	101	0			0.010		0.01
Tomatillos	<u>679</u>	<u>0</u>			0.003		NT
TOTAL	5,268	0					
Uniconazole (fungicide)							
Avocado	358	0			0.001		NT
Cherry Tomatoes	529	0			0.020		0.01
Cucumbers	348	0			0.020		NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA Tolerance Level, ppm
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		0.01
TOTAL	2,799	0					
Valifenalate (fungicide)							
Avocado	706	0			0.001 - 0.010		NT
Cherry Tomatoes	529	0			0.005		1
Cucumbers	348	0			0.005		0.3
Lettuce, Head	708	0			0.010		NT
Lettuce, Leaf	706	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.005		0.04
Sweet Corn, Fresh	607	0			0.010		NT
Sweet Corn, Frozen	101	0			0.010		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		1
TOTAL	5,269	0					
Vamidothion (insecticide)							
Avocado	358	0			0.001		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	1,745	0					
Vernolate (herbicide)							
Apples	704	0			0.010		NT
Avocado	358	0			0.040		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.040		NT
Pineapple, Frozen	52	0			0.040		NT
Tomatillos	<u>679</u>	<u>0</u>			0.040		NT
TOTAL	3,158	0					
Vinclozolin (fungicide)							
Apples	704	0			0.005		NT
Avocado	358	0			0.001		NT
Blackberries, Fresh	685	0			0.010		NT
Blackberries, Frozen	24	0			0.010		NT
Cherry Tomatoes	529	0			0.010		NT
Cucumbers	708	0			0.001 - 0.010		NT
Onions	708	0			0.001		NT
Oranges	709	0			0.005		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.010		NT
Pumpkin, Canned	706	0			0.001		NT
Tomatillos	<u>679</u>	<u>0</u>			0.001		NT
TOTAL	6,695	0					
Zoxamide (fungicide)							
Apples	704	0			0.010		NT
Avocado	677	0			0.001 - 0.005		NT
Cherry Tomatoes	529	0			0.020		2.0
Cucumbers	348	0			0.020		1.0

Pesticide / Commodity	Number of Samples	Samples	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Tolerance Violation	EPA
		With Detections	With Detections				Tolerance Level, ppm
Lettuce, Head	708	0			0.008		NT
Lettuce, Leaf	706	0			0.008		NT
Oranges	709	0			0.010		NT
Pineapple, Fresh	656	0			0.001		NT
Pineapple, Frozen	52	0			0.001		NT
Potatoes	177	0			0.020		0.06
Sweet Corn, Fresh	607	0			0.005		NT
Sweet Corn, Frozen	101	0			0.005		NT
Tomatillos	679	0			0.001		2.0
TOTAL	6,653	0					

Many of the listed tolerances are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions. The cited tolerances apply to 2024 and not to the current year. There may be instances where a tolerance was recently set or revoked that would have an effect on whether a residue is violative or not.

NOTES

^ = When a range is not listed, only one distinct detected concentration or LOD value was reported for the pesticide/commodity pair.

1 Enamectin benzoate is the salt form of the active, Enamectin.

2 Halosulfuron methyl is the salt form of the active, Halosulfuron.

3 Metalaxyl and mefenoxam have separate registrations. Mefenoxam is also known as Metalaxyl-M, which is one of the spatial isomers comprising metalaxyl. The spatial isomers of metalaxyl are analytically indistinguishable via multiresidue methods.

4 Propamocarb analytically determined as the salt (hydrochloride).

5 Enol metabolite calculated as the parent, Spiromesifen.

Tolerance Violation Codes:

(X) = Residue was found which exceeds EPA tolerance or FDA action level. Following "X" are the number of occurrences. Refer to pages 1 through 3 in appendix J to see the sample origin (domestic, imported, or unknown) for each occurrence.

(V) = Residue was found where no tolerance was established by EPA. Following "V" are the number of occurrences. Refer to pages 4 through 6 in appendix J to see the number of occurrences broken down by sample origin (domestic, imported, or unknown) for a commodity/pesticide pair.

EPA Tolerance Codes:

EX1 = Exempt from the requirement of a tolerance in or on raw agricultural commodities that have no established tolerance when residues are present as a result of subsequent uptake by crops rotated into fields where crops with tolerances were treated with Cyclanilprole.

EX2 = Exempt from the requirement of a tolerance in or on all food and feed commodities when applied as an herbicide in accordance with good agricultural practices.

EX3 = Exempt from the requirement of a tolerance in or on all food commodities that have no established tolerance when residues are present as a result of subsequent uptake by crops rotated into fields where crops with tolerances were treated with Flutianil.

EX4 = Exempt from the requirement of a tolerance in or on all food commodities when used to control insect larvae.

EX5 = Exempt from the requirement of a tolerance when applied to growing crops in accordance with good agricultural practices.

FH = All food/feed commodities except those covered by a higher tolerance/safe use tolerance in food handling establishments.

IN = Inadvertent/negligible residue tolerance.

MP = Tolerance from parent compound with a different CFR number.

NT = No tolerance level was set for that pesticide/commodity pair.

OT = Tolerance has restrictions. Consult CFR for specific requirements.

TP = Tolerance is from parent compound.

Appendix C

Distribution of Residues by Pesticide in Almonds

Appendix C shows residue detections for all compounds tested in almonds, including range of values detected, range of Limits of Detection (LODs), and U.S. Environmental Protection Agency (EPA) tolerance references for each pair. The EPA tolerances cited in this summary and appendixes apply to 2024 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

In 2024, the Pesticide Data Program (PDP) analyzed 531 almond samples. PDP detected residues for ten distinct pesticides in the almond samples.

PDP reports tolerance violations to FDA as part of an interagency Memorandum of Understanding between the U.S. Department of Agriculture and FDA. Residues reported to FDA are shown in the “Pesticide” column to the right of the pesticide name and are annotated as “X” (if the residue exceeded the established tolerance) or “V” (if the residue did not have a tolerance listed in the Code of Federal Regulations, Title 40, Part 180). In both cases, these annotations are followed by a number indicating the number of samples reported to FDA.

Results for environmental contaminants across all commodities, including almonds, have been consolidated in a separate appendix because they have no registered uses and are not applied to crops (see appendix E).

APPENDIX C. DISTRIBUTION OF RESIDUES BY PESTICIDE IN ALMONDS

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Abamectin	I	531				0.050	0.01
Acephate	I	531				0.003	0.02 FH
Acetamiprid	I	531				0.002	0.1
Acetochlor	H	531				0.005	NT
Acibenzolar S methyl	F	531				0.020	NT
Aldicarb	I	268				0.030	NT
Aldicarb sulfone	IM	531				0.005	NT
Aldicarb sulfoxide	IM	531				0.005	NT
Antraquinone	X	531				0.005	NT
Atrazine	H	531				0.002	NT
Azinphos methyl	I	531				0.010	NT
Azinphos methyl oxygen analog	IM	531				0.010	NT
Azoxystrobin	F	531	79	14.9	0.002 - 0.006	0.002	0.02
Bendiocarb	I	531				0.003	NT
Benfluralin	H	500				0.010	NT
Benoxacor	S	531				0.010	0.01
Bensulide	H	531				0.004 - 0.008	NT
Bensulide oxygen analog	HM	531				0.002 - 0.004	NT
Bifenthrin	I	502				0.002	0.05
Boscalid	F	531				0.003	0.70
Bromacil	H	531				0.003	NT
Bromopropylate	A	531				0.005	NT
Buprofezin	I	531				0.001	0.05
Carbaryl	I	531				0.003	0.1
Carbofuran	I	531				0.002	NT
Carfentrazone ethyl	H	531				0.005	0.10
Chlorantraniliprole	I	531				0.010	0.02
Chlorfenapyr	I	531				0.015	0.01 FH
Chlorpropham	H	531				0.020	NT
Chlorpyrifos	I	531				0.005	0.2
Chlorpyrifos oxygen analog	IM	531				0.002	0.2 TP
Clomazone	H	531				0.005	NT
Clothianidin	I	531				0.010	0.02 MP
Coumaphos	I	531				0.010	NT
Coumaphos oxygen analog	IM	531				0.010	NT
Cyfluthrin	I	531				0.004	0.05 FH
Cyhalothrin, Total ¹	I	531				0.005	0.05
Cymoxanil	F	531				0.005	NT
Cypermethrin	I	531				0.010	0.05
Cyphenothrin	I	531				0.015	NT
Cyproconazole	F	531				0.010	NT
Cyprodinil	F	531				0.005	0.02
DCPA	H	531				0.002	NT

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Deltamethrin ²	I	443				0.015	0.1
Diazinon	I	531				0.005	0.50 OT
Dichlobenil	H	503				0.010	NT
Dichlorvos (DDVP)	I	502	1	0.2	0.026	0.020	0.5 OT
Diclofop methyl	H	531				0.001	NT
Dicloran	F	531				0.016	NT
Dicofol p,p'	I	531				0.010	NT
Difenoconazole	F	531				0.010	0.03
Diflubenzuron	I	531				0.002 - 0.003	0.20
Dimethenamid	H	531				0.002	NT
Dimethoate	I	531				0.005	NT
Dimethomorph	F	531				0.003	NT
Dinotefuran	I	531				0.003	0.01 FH
Diphenylamine (DPA) (V-1)	F	531	1	0.2	0.010	0.002	NT
Disulfoton oxygen analog	IM	531				0.001	NT
Disulfoton sulfone	IM	531				0.020	NT
Disulfoton sulfoxide	IM	531				0.005	NT
Diuron	H	531				0.002	NT
Emamectin benzoate	I	531				0.010	0.02
Endosulfan I	IM	502				0.010	NT
Endosulfan II	IM	531				0.015	NT
Endosulfan sulfate	IM	531				0.005	NT
Esfenvalerate+Fenvalerate Total	I	531				0.005	0.2
Ethalfuralin	H	531				0.005	NT
Etofenprox	I	500				0.025	5.0 FH
Famoxadone	F	531				0.025 - 0.050	NT
Fenamidone	F	531				0.005	NT
Fenazaquin	I	502				0.005	0.02
Fenbuconazole	F	531				0.005	0.05
Fenhexamid	F	531				0.013	0.02
Fenpropathrin	I	531				0.020	0.10
Fenpropimorph	F	531				0.001	NT
Fenpyroximate	A	531				0.005	0.1
Fipronil sulfone (MB46136)	IM	531				0.050	NT
Flonicamid	I	531				0.006	0.15
Flubendiamide	I	263				0.004	0.06
Fludioxonil	F	531				0.025	0.2
Flufenoxuron	I	531				0.001	NT
Flumioxazin	H	531				0.010	0.02
Fluopicolide	F	531				0.005	NT
Fluopyram	F	531	33	6.2	0.005 - 0.017	0.005	0.05
Fluquinconazole	F	531				0.010	NT
Fluridone	H	531				0.001	0.1
Flusilazole	F	531				0.010	NT
Flutolanil	F	531				0.002	NT

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Flutriafol	F	531				0.010	0.60
Fluvalinate	I	502				0.050	NT
Hexythiazox	I	531				0.002	0.30
3-Hydroxycarbofuran	IM	531				0.003	NT
Imazalil	F	500				0.010	NT
Imidacloprid	I	531				0.003	0.05
Imiprothrin	I	531				0.010	NT
Indaziflam	H	531				0.001	0.01
Indoxacarb	I	531				0.020	0.08
Iprodione	F	531				0.040	0.3
Kresoxim-methyl	F	501				0.010 - 0.020	NT
Linuron	H	531				0.008	NT
Malathion	I	531				0.002	8 OT
Malathion oxygen analog	IM	531				0.002	8 TP
Mandipropamid	F	531				0.002	NT
Metalaxyl/Mefenoxam ³	F	531	2	0.4	0.001 - 0.002	0.001	0.5
Methamidophos	I	531				0.005	NT
Methidathion	I	531				0.010	NT
Methomyl	I	531				0.030	NT
Methoxyfenozide	I	531	459	86.4	0.003 - 0.035	0.003	0.10
Metolachlor	H	531				0.001	0.10
Metribuzin	H	531				0.005	NT
MGK-264	I	531				0.10	5 FH
Myclobutanil	F	531				0.003	0.1
1-Naphthol	IM	531				0.015	0.1 TP
Norflurazon	H	531				0.002	0.1
Norflurazon desmethyl	HM	531				0.005	0.1
Novaluron	I	500				0.009	0.08
Omethoate	IM	531				0.020	NT
Oryzalin	H	263				0.020	0.05
Oxadiazon	H	531				0.010	NT
Oxamyl	I	531				0.003	NT
Oxamyl oxime	IM	531				0.007	NT
Oxydemeton methyl	I	531				0.002	NT
Oxydemeton methyl sulfone	IM	531				0.002	NT
Oxyfluorfen	H	531				0.050	0.05
Parathion ethyl	I	531				0.005	NT
Parathion methyl	I	531				0.010	NT
Parathion methyl oxygen analog	IM	531				0.020	NT
Pendimethalin	H	531				0.050	0.10
Pentachloroaniline (PCA)	FM	472				0.004	NT
Permethrin cis	IM	531				0.010	0.05
Permethrin trans	IM	531				0.010	0.05
Phenothrin	I	531				0.050	0.01 FH
o-Phenylphenol (V-2)	F	531	2	0.4	0.006 - 0.009	0.005	NT

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Phorate sulfone	IM	531				0.010	NT
Phorate sulfoxide	IM	531				0.010	NT
Phosalone	I	531				0.001	NT
Phosmet	I	531				0.010	0.1
Phosmet oxygen analog	IM	531				0.004	0.1
Piperonyl butoxide	I	470	26	5.5	0.005 - 0.065	0.005	10 FH
Pirimiphos methyl	I	531				0.001	NT
Prallethrin	I	531				0.008	1.0 FH
Procymidone	F	531				0.010	NT
Profenofos	I	531				0.075	NT
Pronamide (Propyzamide)	H	531				0.002	NT
Propargite	I	531				0.050	0.1
Propetamphos	I	531				0.010	NT
Propiconazole	F	531				0.010	0.10
Pyraclostrobin	F	531				0.003	0.04
Pyraflufen ethyl	H	531				0.010	0.01
Pyridaben	I	531				0.005	0.05
Pyrimethanil	F	531				0.050	0.20
Pyriproxyfen	I	531	1	0.2	0.001	0.001	0.10 FH
Quinoxifen	F	531				0.020	NT
Resmethrin trans	IM	531				0.050	3.0 FH
Saflufenacil	H	263				0.010	0.03
Sethoxydim	H	531				0.003	0.2
Simazine	H	531				0.005	0.05
Spinetoram	I	531				0.003	0.10
Spinosad A	IM	531				0.003 - 0.007	0.10
Spirodiclofen	A	502				0.010	0.10
Spiromesifen	I	531				0.010	NT
Spirotetramat	I	502				0.002	0.25
Spiroxamine	F	531				0.010	NT
Tebuconazole	F	531				0.010	0.05
Tebufenozide	I	500				0.002	0.1
Tefluthrin	I	531				0.002	NT
Terbacil	H	531				0.010	NT
Tetraconazole	F	531				0.010	NT
Tetradifon	I	531				0.010	NT
Tetrahydrophthalimide (THPI)	FM	531				0.010	0.25 TP
Tetramethrin	I	531				0.005	NT
Thiabendazole (V-2)	F	500	2	0.4	0.004	0.002	NT
Thiacloprid	I	500				0.001	NT
Thiamethoxam	I	531				0.003	0.02
Thiazopyr	H	531				0.008	NT
Thiobencarb	H	531				0.010	NT
Thiophanate methyl	F	531				0.010	0.1
Trichlorfon	I	531				0.010	NT

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Trifloxystrobin	F	531				0.002	0.04
Triflumizole	F	531				0.010	NT
Trifluralin	H	531				0.001	0.05
Triforine	F	531				0.010	NT
Vinclozolin	F	531				0.010	NT

Many of the listed tolerances are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions. The cited tolerances apply to 2024 and not to the current year. There may be instances where a tolerance was recently set or revoked that would have an effect on whether a residue is violative or not.

NOTES

^ = When a range is not listed, only one distinct detected value or LOD value was reported for the pesticide/commodity pair.

(V) = Residue was found where no tolerance was established by EPA. Following "V" are the number of occurrences.

Refer to pages 4 through 6 in appendix J to see the number of occurrences broken down by sample origin (domestic, imported, or unknown) for a commodity/pesticide pair.

1 = Includes cyhalothrin lambda plus R157836 epimer.

2 = Deltamethrin includes parent Tralomethrin.

3 = Metalaxyl and mefenoxam have separate registrations. Mefenoxam is also known as Metalaxyl-M, which is one of the spatial isomers comprising metalaxyl. The spatial isomers of metalaxyl are analytically indistinguishable via multiresidue methods.

Pesticide Types:

A = Acaricide

F = Fungicide, FM = Fungicide Metabolite

H = Herbicide, HM = Herbicide Metabolite

I = Insecticide, IM = Insecticide Metabolite

S = Herbicide Safener

X = Other

EPA Tolerance Codes:

FH = All food/feed commodities except those covered by a higher tolerance/safe use tolerance in food handling establishments.

MP = Tolerance from parent compound with a different CFR number.

NT = No tolerance established.

OT = Tolerance has restrictions. Consult CFR for specific requirements.

TP = Tolerance is from parent compound.

Appendix D

Distribution of Residues by Pesticide in Salmon

Appendix D shows residue detections for all compounds tested in salmon, including range of values detected, range of Limits of Detection (LODs), and U.S. Environmental Protection Agency (EPA) tolerance references for each pair. The EPA tolerances cited in this summary and appendixes apply to 2024 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

In 2024, the Pesticide Data Program (PDP) analyzed 176 salmon samples. PDP detected no residues for conventional pesticides in any of the salmon samples.

Results for environmental contaminants across all commodities, including salmon, have been consolidated in a separate appendix because they have no registered uses and are not applied to crops (see appendix E). There were three residues detected for DDT p,p' in salmon samples that are shown in appendix E.

APPENDIX D. DISTRIBUTION OF RESIDUES BY PESTICIDE IN SALMON

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Abamectin	I	176				0.050	0.01 FH
Acephate	I	176				0.003	0.02 FH
Acetamiprid	I	176				0.002	0.01 FH
Acetochlor	H	176				0.005	NT
Acibenzolar S methyl	F	176				0.020	NT
Aldicarb	I	176				0.030	NT
Aldicarb sulfone	IM	176				0.005	NT
Aldicarb sulfoxide	IM	146				0.005	NT
Anthraquinone	X	176				0.005	NT
Atrazine	H	176				0.002	NT
Azinphos methyl	I	176				0.010	NT
Azinphos methyl oxygen analog	IM	176				0.010	NT
Azoxystrobin	F	176				0.002	NT
Bendiocarb	I	176				0.003	NT
Benfluralin	H	176				0.010	NT
Benoxacor	S	176				0.010	NT
Bensulide	H	176				0.004	NT
Bensulide oxygen analog	HM	176				0.002	NT
Bifenthrin	I	176				0.002	0.05 FH
Boscalid	F	176				0.003	NT
Broflanilide	I	176				0.010	0.01 FH
Bromacil	H	176				0.003	NT
Bromopropylate	A	176				0.005	NT
Buprofezin	I	176				0.001	NT
Carbaryl	I	176				0.003	NT
Carbofuran	I	176				0.002	NT
Carfentrazone ethyl	H	176				0.005	0.30
Chlorantraniliprole	I	176				0.010	NT
Chlorfenapyr	I	176				0.015	0.01 FH
Chlorpropham	H	176				0.020	NT
Chlorpyrifos	I	176				0.005	0.1 FH
Chlorpyrifos oxygen analog	IM	176				0.002	0.1 TP
Clomazone	H	176				0.005	NT
Clothianidin	I	176				0.010	0.02 MP
Coumaphos	I	176				0.010	NT
Coumaphos oxygen analog	IM	176				0.010	NT
Cyfluthrin	I	176				0.004	0.05 FH
Cyhalothrin, Total ¹	I	176				0.005	0.01 FH
Cymoxanil	F	176				0.005	NT
Cypermethrin	I	176				0.010	0.05 FH
Cyphenothrin	I	176				0.015	NT
Cyproconazole	F	176				0.010	NT
Cyprodinil	F	176				0.005	NT
DCPA	H	176				0.002	NT

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Deltamethrin ²	I	176				0.015	0.05 FH
Diazinon	I	176				0.005	NT
Dichlobenil	H	176				0.010	NT
Dichlorvos (DDVP)	I	176				0.020	0.5 MP
Diclofop methyl	H	176				0.001	NT
Dicloran	F	176				0.016	NT
Dicofol p,p'	I	176				0.010	NT
Difenoconazole	F	176				0.010	NT
Diflubenzuron	I	176				0.002	NT
Dimethenamid	H	176				0.002	NT
Dimethoate	I	176				0.005	NT
Dimethomorph	F	176				0.003	NT
Dinotefuran	I	176				0.003	0.01 FH
Diphenylamine (DPA)	F	176				0.002	NT
Disulfoton oxygen analog	IM	176				0.001	NT
Disulfoton sulfone	IM	176				0.020	NT
Disulfoton sulfoxide	IM	176				0.005	NT
Diuron	H	176				0.002	2.0 OT
Emamectin benzoate	I	146				0.010	NT
Endosulfan I	IM	176				0.010	NT
Endosulfan II	IM	176				0.015	NT
Endosulfan sulfate	IM	176				0.005	NT
Esfenvalerate+Fenvalerate Total	I	176				0.005	0.05 FH
Ethalfuralin	H	176				0.005	NT
Etofenprox	I	176				0.025	5.0 FH
Famoxadone	F	176				0.025	NT
Fenamidone	F	176				0.005	NT
Fenazaquin	I	147				0.005	NT
Fenbuconazole	F	176				0.005	NT
Fenhexamid	F	176				0.013	NT
Fenpropathrin	I	176				0.020	NT
Fenpropimorph	F	176				0.001	NT
Fenpyroximate	A	176				0.005	NT
Fipronil sulfone (MB46136)	IM	176				0.050	NT
Flonicamid	I	176				0.006	NT
Flubendiamide	I	176				0.004	NT
Fludioxonil	F	176				0.025	NT
Flufenoxuron	I	147				0.001	NT
Flumioxazin	H	176				0.010	1.5
Fluopicolide	F	176				0.005	NT
Fluopyram	F	176				0.005	NT
Fluquinconazole	F	176				0.010	NT
Fluridone	H	176				0.001	0.5
Flusilazole	F	176				0.010	NT
Flutolanil	F	176				0.002	NT
Flutriafol	F	176				0.010	NT

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Fluvalinate	I	176				0.050	NT
Hexythiazox	I	176				0.002	NT
3-Hydroxycarbofuran	IM	176				0.003	NT
Imazalil	F	176				0.010	NT
Imidacloprid	I	176				0.003	0.05
Imiprothrin	I	176				0.010	NT
Indaziflam	H	176				0.001	NT
Indoxacarb	I	176				0.020	NT
Iprodione	F	176				0.040	NT
Kresoxim-methyl	F	176				0.010	NT
Linuron	H	176				0.008	NT
Malathion	I	176				0.002	NT
Malathion oxygen analog	IM	176				0.002	NT
Mandipropamid	F	176				0.002	NT
Metalaxyl/Mefenoxam ³	F	176				0.001	NT
Methamidophos	I	176				0.005	NT
Methidathion	I	176				0.010	NT
Methomyl	I	176				0.030	NT
Methoxyfenozide	I	176				0.003	NT
Metolachlor	H	176				0.001	NT
Metribuzin	H	176				0.005	NT
MGK-264	I	176				0.10	5 FH
Myclobutanil	F	176				0.003	NT
Norflurazon	H	176				0.002	NT
Norflurazon desmethyl	HM	176				0.005	NT
Novaluron	I	176				0.017	0.01 FH
Omethoate	IM	176				0.020	NT
Oryzalin	H	176				0.020	NT
Oxadiazon	H	176				0.010	NT
Oxamyl	I	176				0.003	NT
Oxamyl oxime	IM	176				0.007	NT
Oxathiapiprolin	F	176				0.010	0.10 IN
Oxydemeton methyl	I	176				0.002	NT
Oxydemeton methyl sulfone	IM	176				0.002	NT
Oxyfluorfen	H	176				0.050	NT
Parathion ethyl	I	176				0.005	NT
Parathion methyl	I	176				0.010	NT
Parathion methyl oxygen analog	IM	176				0.020	NT
Pendimethalin	H	176				0.050	NT
Pentachloroaniline (PCA)	FM	176				0.004	NT
Pentachlorobenzene (PCB)	FM	176				0.010	NT
Permethrin cis	IM	176				0.010	NT
Permethrin trans	IM	176				0.010	NT
Phenothrin	I	176				0.050	0.01 FH
o-Phenylphenol	F	176				0.005	NT
Phorate sulfone	IM	176				0.010	NT

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Phorate sulfoxide	IM	176				0.010	NT
Phosalone	I	176				0.001	NT
Phosmet	I	176				0.010	NT
Phosmet oxygen analog	IM	176				0.004	NT
Piperonyl butoxide	I	176				0.005	10 FH
Pirimiphos methyl	I	176				0.001	NT
Prallethrin	I	176				0.008	1.0 FH
Procymidone	F	176				0.010	NT
Profenofos	I	176				0.075	NT
Pronamide (Propyzamide)	H	176				0.002	NT
Propargite	I	176				0.050	NT
Propetamphos	I	176				0.010	NT
Propiconazole	F	176				0.010	NT
Pyraclostrobin	F	176				0.003	NT
Pyraflufen ethyl	H	176				0.010	NT
Pyridaben	I	147				0.010	NT
Pyrimethanil	F	176				0.050	NT
Pyriproxyfen	I	176				0.001	0.10 FH
Quinoxifen	F	176				0.020	NT
Resmethrin	I	176				0.050	3.0 FH
Saflufenacil	H	176				0.020	0.01
Sethoxydim	H	148				0.003	NT
Simazine	H	176				0.005	NT
Spinetoram	I	176				0.003	4
Spinosad A	IM	176				0.003	4.0
Spirodiclofen	A	147				0.010	NT
Spiromesifen	I	176				0.010	NT
Spirotetramat	I	176				0.002	NT
Spiroxamine	F	176				0.010	NT
Tebuconazole	F	176				0.010	NT
Tebufenozide	I	176				0.002	NT
Teflubenzuron	I	147				0.020	NT
Tefluthrin	I	176				0.002	NT
Terbacil	H	176				0.010	NT
Tetraconazole	F	176				0.010	NT
Tetradifon	I	176				0.010	NT
Tetrahydrophthalimide (THPI)	FM	176				0.010	NT
Tetramethrin	I	176				0.010	NT
Thiabendazole	F	176				0.002 - 0.004	NT
Thiacloprid	I	176				0.001	NT
Thiamethoxam	I	176				0.003	0.02 FH
Thiazopyr	H	176				0.008	NT
Thiobencarb	H	176				0.010	NT
Thiophanate methyl	F	176				0.020	NT
Trichlorfon	I	176				0.010	NT
Trifloxystrobin	F	176				0.002	NT

Pesticide	Pest. Type	Number of Samples	Samples With Detections	% of Samples With Detects	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Triflumizole	F	176				0.010	NT
Trifluralin	H	176				0.001	NT
Triforine	F	176				0.010	NT
Vinclozolin	F	176				0.010	NT

Many of the listed tolerances are the sum of a parent compound and metabolite(s)/isomer(s). The reader is advised to refer to EPA for the complete listing of compounds in tolerance expressions. The cited tolerances apply to 2024 and not to the current year. There may be instances where a tolerance was recently set or revoked that would have an effect on whether a residue is violative or not.

NOTES

^ = When a range is not listed, only one distinct detected value or LOD value was reported for the pesticide/commodity pair.

1 = Includes cyhalothrin lambda plus R157836 epimer.

2 = Deltamethrin includes parent Tralomethrin.

3 = Metalaxyl and mefenoxam have separate registrations. Mefenoxam is also known as Metalaxyl-M, which is one of the spatial isomers comprising metalaxyl. The spatial isomers of metalaxyl are analytically indistinguishable via multiresidue methods.

Pesticide Types:

A = Acaricide

F = Fungicide, FM = Fungicide Metabolite

H = Herbicide, HM = Herbicide Metabolite

I = Insecticide, IM = Insecticide Metabolite

S = Herbicide Safener

X = Other

EPA Tolerance Codes:

FH = All food/feed commodities except those covered by a higher tolerance/safe use tolerance in food handling establishments.

MP = Tolerance from parent compound with a different CFR number.

NT = No tolerance established.

OT = Tolerance has restrictions. Consult CFR for specific requirements.

TP = Tolerance is from parent compound.

Appendix E

Distribution of Residues for Environmental Contaminants

Appendix E shows residue detections across all commodities for 21 compounds identified as environmental contaminants, including range of values detected, range of Limits of Detection (LODs), and U.S. Environmental Protection Agency (EPA) tolerances or U.S. Food and Drug Administration (FDA) Action Levels for each pair. Results for environmental contaminants have been consolidated in this appendix because they have no registered uses and are not applied to crops.

The EPA tolerances cited in this summary and appendixes apply to 2024 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

Action Levels (ALs) are shown in this appendix, where applicable, and denote AL values established by FDA. ALs are used for environmental contaminants when tolerances are not established.

APPENDIX E. DISTRIBUTION OF RESIDUES FOR ENVIRONMENTAL CONTAMINANTS

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Aldrin (insecticide) (parent of Dieldrin)						
Apples	704	0			0.005	0.03 AL
Avocado	328	0			0.005	NT
Blackberries, Fresh	685	0			0.003	0.05 AL
Blackberries, Frozen	24	0			0.003	0.05 AL
Cherry Tomatoes	529	0			0.020	0.05 AL
Cucumbers	708	0			0.001 - 0.020	0.1 AL
Fish, Salmon	176	0			0.003	0.3 AL
Lettuce, Head	708	0			0.004	0.03 AL
Lettuce, Leaf	706	0			0.004	0.03 AL
Onions	708	0			0.001	0.1 AL
Oranges	709	0			0.005	0.02 AL
Pineapple, Fresh	656	0			0.005	0.03 AL
Pineapple, Frozen	52	0			0.005	0.03 AL
Potatoes	177	0			0.020	0.1 AL
Pumpkin, Canned	706	0			0.001	0.1 AL
Sweet Corn, Fresh	607	0			0.005	0.02 AL
Sweet Corn, Frozen	101	0			0.005	0.02 AL
Tomatillos	<u>679</u>	<u>0</u>			0.005	0.05 AL
TOTAL	8,963	0				
BHC alpha (insecticide) (isomer of BHC)						
Almonds	531	0			0.012	NT
Apples	704	0			0.005	0.05 AL
Avocado	706	0			0.001 - 0.002	0.05 AL
Blackberries, Fresh	685	0			0.012	0.05 AL
Blackberries, Frozen	24	0			0.012	0.05 AL
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	708	0			0.001 - 0.005	0.05 AL
Fish, Salmon	176	0			0.012	NT
Lettuce, Head	708	0			0.002	0.05 AL
Lettuce, Leaf	706	0			0.002	0.05 AL
Onions	708	0			0.001	0.05 AL
Oranges	709	0			0.005	0.05 AL
Pineapple, Fresh	656	0			0.001	0.05 AL
Pineapple, Frozen	52	0			0.001	0.05 AL
Potatoes	177	0			0.005	0.05 AL
Pumpkin, Canned	706	0			0.001	0.05 AL
Sweet Corn, Fresh	607	0			0.002	0.05 AL
Sweet Corn, Frozen	101	0			0.002	0.05 AL
Tomatillos	<u>649</u>	<u>0</u>			0.001	0.05 AL
TOTAL	9,842	0				
BHC beta (isomer of BHC)						
Almonds	531	0			0.014	NT
Apples	704	0			0.005	0.05 AL
Avocado	706	0			0.001 - 0.002	0.05 AL
Blackberries, Fresh	685	0			0.014	0.05 AL
Blackberries, Frozen	24	0			0.014	0.05 AL
Fish, Salmon	176	0			0.014	NT
Lettuce, Head	708	0			0.006	0.05 AL
Lettuce, Leaf	706	0			0.006	0.05 AL
Oranges	709	0			0.005	0.05 AL
Pineapple, Fresh	656	0			0.001	0.05 AL
Pineapple, Frozen	52	0			0.001	0.05 AL

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Sweet Corn, Fresh	607	0			0.002	0.05 AL
Sweet Corn, Frozen	101	0			0.002	0.05 AL
Tomatillos	<u>651</u>	<u>0</u>			0.001	0.05 AL
TOTAL	7,016	0				
BHC delta (isomer of BHC)						
Avocado	358	0			0.001	0.05 AL
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	348	0			0.005	0.05 AL
Lettuce, Head	708	0			0.005	0.05 AL
Lettuce, Leaf	706	0			0.005	0.05 AL
Pineapple, Fresh	656	0			0.001	0.05 AL
Pineapple, Frozen	52	0			0.001	0.05 AL
Potatoes	177	0			0.005	0.05 AL
Tomatillos	<u>679</u>	<u>0</u>			0.001 - 0.003	0.05 AL
TOTAL	4,213	0				
BHC epsilon (isomer of BHC)						
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	348	0			0.005	0.05 AL
Potatoes	177	0			0.005	0.05 AL
TOTAL	1,054	0				
Chlordanes Total (insecticide)						
Lettuce, Head	708	0			0.005	0.1 AL
Lettuce, Leaf	<u>706</u>	<u>0</u>			0.005	0.1 AL
TOTAL	1,414	0				
Chlordane cis (insecticide) (isomer of Chlordane)						
Almonds	531	0			0.010	NT
Apples	704	0			0.005	0.1 AL
Avocado	358	0			0.001	NT
Blackberries, Fresh	685	0			0.010	0.1 AL
Blackberries, Frozen	24	0			0.010	0.1 AL
Cherry Tomatoes	529	0			0.010	0.1 AL
Cucumbers	708	2	0.3	0.002 - 0.010	0.001 - 0.010	0.1 AL
Fish, Salmon	176	0			0.010	0.3 AL
Onions	708	0			0.001	0.1 AL
Oranges	709	0			0.005	0.1 AL
Pineapple, Fresh	656	0			0.001	0.1 AL
Pineapple, Frozen	52	0			0.001	0.1 AL
Potatoes	177	0			0.010	0.1 AL
Pumpkin, Canned	706	16	2.3	0.002 - 0.048	0.001	0.1 AL
Tomatillos	<u>679</u>	<u>0</u>			0.001	0.1 AL
TOTAL	7,402	18				
Chlordane trans (isomer of Chlordane)						
Almonds	502	0			0.010	NT
Apples	704	0			0.005	0.1 AL
Avocado	358	0			0.001	NT
Blackberries, Fresh	685	0			0.010	0.1 AL
Blackberries, Frozen	24	0			0.010	0.1 AL
Cherry Tomatoes	529	0			0.010	0.1 AL
Cucumbers	708	1	0.1	0.004	0.001 - 0.010	0.1 AL
Fish, Salmon	176	0			0.010	0.3 AL

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Onions	708	0			0.001	0.1 AL
Oranges	709	0			0.005	0.1 AL
Pineapple, Fresh	656	0			0.001	0.1 AL
Pineapple, Frozen	52	0			0.001	0.1 AL
Potatoes	177	0			0.010	0.1 AL
Pumpkin, Canned	706	0			0.001	0.1 AL
Tomatillos	<u>679</u>	<u>0</u>			0.001	0.1 AL
TOTAL	7,373	1				
DDD o,p' (insecticide) (metabolite of DDT)						
Almonds	531	0			0.001	NT
Avocado	358	0			0.001	0.2 AL
Blackberries, Fresh	685	0			0.001	0.1 AL
Blackberries, Frozen	24	0			0.001	0.1 AL
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	708	0			0.001 - 0.005	0.1 AL
Fish, Salmon	176	0			0.001	5.0 AL
Onions	688	0			0.001	0.2 AL
Pineapple, Fresh	656	0			0.001	0.2 AL
Pineapple, Frozen	52	0			0.001	0.2 AL
Pumpkin, Canned	706	0			0.001	0.1 AL
Tomatillos	<u>679</u>	<u>0</u>			0.001	0.05 AL
TOTAL	5,792	0				
DDD p,p' (metabolite of DDT)						
Almonds	531	0			0.005	NT
Apples	704	0			0.005	0.1 AL
Avocado	348	1	0.3	0.004	0.002	0.2 AL
Blackberries, Fresh	685	0			0.005	0.1 AL
Blackberries, Frozen	24	0			0.005	0.1 AL
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	708	0			0.001 - 0.005	0.1 AL
Fish, Salmon	176	0			0.005	5.0 AL
Onions	708	0			0.001	0.2 AL
Oranges	709	0			0.005	0.1 AL
Potatoes	177	0			0.005	1.0 AL
Pumpkin, Canned	706	0			0.001	0.1 AL
Sweet Corn, Fresh	607	4	0.7	0.002 - 0.005	0.002	0.1 AL
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.002	0.1 AL
TOTAL	6,713	5				
DDE o,p' (metabolite of DDT)						
Almonds	502	0			0.001	NT
Avocado	358	0			0.001	0.2 AL
Blackberries, Fresh	685	0			0.001	0.1 AL
Blackberries, Frozen	24	0			0.001	0.1 AL
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	348	0			0.005	0.1 AL
Fish, Salmon	176	0			0.001	5.0 AL
Lettuce, Head	708	0			0.004	0.5 AL
Lettuce, Leaf	706	0			0.004	0.5 AL
Pineapple, Fresh	656	0			0.001	0.2 AL
Pineapple, Frozen	52	0			0.001	0.2 AL
Tomatillos	<u>679</u>	<u>0</u>			0.001	0.05 AL
TOTAL	5,423	0				

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
DDE p,p' (metabolite of DDT)						
Almonds	412	0			0.010	NT
Apples	704	0			0.005	0.1 AL
Avocado	328	0			0.001	0.2 AL
Blackberries, Fresh	685	0			0.010	0.1 AL
Blackberries, Frozen	24	0			0.010	0.1 AL
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	708	0			0.001 - 0.005	0.1 AL
Fish, Salmon	176	0			0.010	5.0 AL
Lettuce, Head	708	0			0.002	0.5 AL
Lettuce, Leaf	706	111	15.7	0.002 - 0.013	0.002	0.5 AL
Onions	708	0			0.001	0.2 AL
Oranges	709	0			0.005	0.1 AL
Pineapple, Fresh	656	0			0.001	0.2 AL
Pineapple, Frozen	52	0			0.001	0.2 AL
Potatoes	177	4	2.3	0.006 - 0.014	0.005	1.0 AL
Pumpkin, Canned	706	0			0.001	0.1 AL
Tomatillos	<u>679</u>	<u>0</u>			0.001	0.05 AL
TOTAL	8,667	115				
DDT o,p' (insecticide)						
Avocado	328	0			0.001	0.2 AL
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	708	2	0.3	0.002	0.001 - 0.005	0.1 AL
Lettuce, Head	708	0			0.004	0.5 AL
Lettuce, Leaf	706	1	0.1	0.005	0.004	0.5 AL
Onions	708	0			0.001	0.2 AL
Pineapple, Fresh	656	0			0.001	0.2 AL
Pineapple, Frozen	52	0			0.001	0.2 AL
Pumpkin, Canned	706	0			0.001	0.1 AL
Tomatillos	<u>679</u>	<u>0</u>			0.001	0.05 AL
TOTAL	5,780	3				
DDT p,p' (insecticide)						
Almonds	531	0			0.001	NT
Apples	704	0			0.005	0.1 AL
Avocado	298	0			0.020	0.2 AL
Cherry Tomatoes	529	0			0.005	0.05 AL
Cucumbers	708	0			0.001 - 0.005	0.1 AL
Fish, Salmon	176	3	1.7	0.001	0.001	5.0 AL
Lettuce, Head	708	0			0.008	0.5 AL
Lettuce, Leaf	706	3	0.4	0.009 - 0.017	0.008	0.5 AL
Onions	708	0			0.001 - 0.003	0.2 AL
Oranges	709	0			0.005	0.1 AL
Pineapple, Fresh	656	0			0.010 - 0.020	0.2 AL
Pineapple, Frozen	52	0			0.010 - 0.020	0.2 AL
Potatoes	177	0			0.010	1.0 AL
Pumpkin, Canned	<u>706</u>	<u>0</u>			0.001 - 0.003	0.1 AL
TOTAL	7,368	6				
Dieldrin (insecticide) (also a metabolite of Aldrin)						
Almonds	531	0			0.010	NT
Apples	704	1	0.1	0.006	0.005	0.03 AL
Avocado	358	0			0.005	NT
Blackberries, Fresh	685	0			0.010	0.05 AL
Blackberries, Frozen	24	0			0.010	0.05 AL
Cherry Tomatoes	529	0			0.020	0.05 AL

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Cucumbers	708	10	1.4	0.004 - 0.12	0.002 - 0.020	0.1 AL
Fish, Salmon	176	0			0.010	0.3 AL
Lettuce, Head	708	0			0.008	0.03 AL
Lettuce, Leaf	706	0			0.008	0.03 AL
Onions	688	0			0.002	0.1 AL
Oranges	709	0			0.005	0.02 AL
Pineapple, Fresh	656	0			0.005	0.03 AL
Pineapple, Frozen	52	0			0.005	0.03 AL
Potatoes	177	0			0.020	0.1 AL
Pumpkin, Canned	706	112	15.9	0.004 - 0.13	0.002	0.1 AL
Tomatillos	<u>679</u>	<u>0</u>			0.005	0.05 AL
TOTAL	8,796	123				
Endrin (insecticide)						
Almonds	531	0			0.010	NT
Apples	704	0			0.005	NT
Avocado	706	0			0.003 - 0.020	NT
Blackberries, Fresh	685	0			0.010	NT
Blackberries, Frozen	24	0			0.010	NT
Cherry Tomatoes	529	0			0.020	NT
Cucumbers	708	0			0.005 - 0.020	NT
Fish, Salmon	176	0			0.010	NT
Onions	708	0			0.005	NT
Oranges	709	0			0.005	NT
Pineapple, Fresh	656	0			0.003	NT
Pineapple, Frozen	52	0			0.003	NT
Potatoes	177	0			0.020	NT
Pumpkin, Canned	706	0			0.005	NT
Sweet Corn, Fresh	607	0			0.020	NT
Sweet Corn, Frozen	101	0			0.020	NT
Tomatillos	<u>679</u>	<u>0</u>			0.003 - 0.005	NT
TOTAL	8,458	0				
Heptachlor (insecticide)						
Almonds	502	0			0.002	NT
Apples	704	0			0.005	NT
Avocado	358	0			0.003	NT
Blackberries, Fresh	685	0			0.002	0.05 AL
Blackberries, Frozen	24	0			0.002	0.05 AL
Cherry Tomatoes	529	0			0.025	NT
Cucumbers	708	0			0.001 - 0.025	0.05 AL
Fish, Salmon	176	0			0.002	0.3 AL
Lettuce, Head	708	0			0.002	0.05 AL
Lettuce, Leaf	706	0			0.002	0.05 AL
Onions	708	0			0.001	NT
Oranges	709	0			0.005	0.05 AL
Pineapple, Fresh	629	0			0.003 - 0.005	NT
Pineapple, Frozen	50	0			0.003 - 0.005	NT
Potatoes	177	0			0.025	NT
Pumpkin, Canned	706	0			0.001	0.05 AL
Sweet Corn, Fresh	607	0			0.001	NT
Sweet Corn, Frozen	<u>101</u>	<u>0</u>			0.001	NT
TOTAL	8,787	0				
Heptachlor epoxide (metabolite of Heptachlor)						
Almonds	531	0			0.005	NT
Apples	704	0			0.005	NT
Avocado	706	0			0.001 - 0.002	NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Blackberries, Fresh	685	0			0.005	0.05 AL
Blackberries, Frozen	24	0			0.005	0.05 AL
Cherry Tomatoes	529	0			0.040	NT
Cucumbers	708	1	0.1	0.004	0.002 - 0.040	0.05 AL
Fish, Salmon	176	0			0.005	0.3 AL
Lettuce, Head	708	0			0.004	0.05 AL
Lettuce, Leaf	706	0			0.004	0.05 AL
Onions	708	0			0.002	NT
Oranges	709	0			0.005	0.05 AL
Pineapple, Fresh	656	0			0.001	NT
Pineapple, Frozen	52	0			0.001	NT
Potatoes	177	0			0.040	NT
Pumpkin, Canned	706	25	3.5	0.004 - 0.021	0.002	0.05 AL
Sweet Corn, Fresh	607	0			0.002	NT
Sweet Corn, Frozen	101	0			0.002	NT
Tomatillos	679	0			0.001	NT
TOTAL	9,872	26				

Hexachlorobenzene - HCB (fungicide) (metabolite and impurity of Quintozene)

Apples	704	0			0.005	NT
Cherry Tomatoes	529	0			0.005	0.1
Cucumbers	348	0			0.005	NT
Lettuce, Head	708	0			0.020	NT
Lettuce, Leaf	706	0			0.020	NT
Oranges	709	0			0.005	NT
Pineapple, Fresh	656	0			0.001	NT
Pineapple, Frozen	52	0			0.001	NT
Potatoes	177	0			0.005	0.1
Sweet Corn, Fresh	607	0			0.025	NT
Sweet Corn, Frozen	101	0			0.025	NT
Tomatillos	679	0			0.001	0.1
TOTAL	5,976	0				

Lindane - BHC gamma (insecticide) (also an isomer of BHC)

Almonds	531	0			0.013	NT
Apples	704	0			0.005	NT
Avocado	706	0			0.001 - 0.002	NT
Blackberries, Fresh	685	0			0.013	0.5 AL
Blackberries, Frozen	24	0			0.013	0.5 AL
Cherry Tomatoes	529	0			0.005	NT
Cucumbers	708	0			0.001 - 0.005	NT
Fish, Salmon	176	0			0.013	NT
Lettuce, Head	708	0			0.003	NT
Lettuce, Leaf	706	0			0.003	NT
Onions	708	0			0.001	NT
Oranges	709	0			0.005	0.5 AL
Pineapple, Fresh	656	0			0.001	NT
Pineapple, Frozen	52	0			0.001	NT
Potatoes	177	0			0.005	0.5 AL
Pumpkin, Canned	706	0			0.001	NT
Sweet Corn, Fresh	607	0			0.002	0.5 AL
Sweet Corn, Frozen	101	0			0.002	0.5 AL
Tomatillos	621	0			0.001	NT
TOTAL	9,814	0				

Mirex (insecticide)

Blackberries, Fresh	685	0			0.001	NT
Blackberries, Frozen	24	0			0.001	NT

Pesticide / Commodity	Number of Samples	Samples With Detections	% of Samples With Detections	Range of Values Detected, ppm ^	Range of LODs, ppm ^	EPA Tolerance Level, ppm
Pineapple, Fresh	656	0			0.001	NT
Pineapple, Frozen	52	0			0.001	NT
Tomatillos	<u>679</u>	<u>0</u>			0.001	NT
TOTAL	2,096	0				

NOTES

^ = When a range is not listed, only one distinct detected concentration or LOD value was reported for the pesticide/commodity pair.

AL = Numbers shown are Action Levels established by FDA for some pesticides. Under the Food Quality Protection Act, responsibility for establishing tolerances in lieu of action levels has been transferred to EPA. In the interim, action levels are used.

NT = No tolerance level was set for that pesticide/commodity pair.

Appendix F

Sample Origin by State or Country (Determined by Grower, Packer, or Distributor)

Appendix F gives the number of samples per State or country of origin and the number of samples of unknown origin. Where available, the origin of fresh commodities is taken from the grower or packer information. For processed commodities, origin is determined primarily by packer or distributor, and these counts do not necessarily reflect the location (State, country) where the commodity is grown due to limited information on packaging.

As shown in appendix F, samples originated from 37 States and 25 foreign countries. There were 328 domestic samples from unknown States. There were an additional 92 samples from unknown origins. Overall, 60.1 percent of samples were from U.S. sources, 38.9 percent were imports from single countries, less than 0.1 percent were of mixed national origin, and 0.9 percent were of unknown origin.

APPENDIX F. SAMPLE ORIGIN BY STATE OR COUNTRY
(Determined by Grower, Packer, or Distributor)

Part 1. Domestic Samples

	Fresh F&V													Processed F&V				Nuts	Fish	# of	% of
	AP	AV	BK	CB	CT	CU	LH	LL	OG	ON	PN	PO	TT	CS	KZ	NZ	PK	AL	FS	Samples	Total
Alabama						1								4						5	0.1
Alaska																			2	2	<0.1
Arizona				2		2	32	39					3				5	5	1	89	0.9
Arkansas	7				1		1		1				1	8	1		7	44	3	74	0.7
California	16	76	221	108	6	4	541	516	470	112		19	15	10	2	1	51	221	3	2392	24.2
Colorado				12			1	6	3	14		6	1					1		44	0.4
Connecticut				1		3				1								9		14	0.1
Delaware				7								1								8	0.1
Florida	7	4	4	157	49	19	13	12	9	9	5	8	5	2			15	15	3	336	3.4
Georgia			3	59	1	34		1		38			4							140	1.4
Idaho	3									70		58		3				3		137	1.4
Illinois	14		3	5	1		7	1	1	7		5		19	2		33	16	3	117	1.2
Indiana				1	4	3							3							11	0.1
Kentucky						1														1	<0.1
Maine	1							1				2					6			10	0.1
Maryland	8	1		8	6		1	2	3	2			2				20	1		54	0.5
Massachusetts									1	1		1						7	1	11	0.1
Michigan	42			15	9	15		7		7		4	8	12			29	35	6	189	1.9
Minnesota	2											3		3			22	5		35	0.4
Nevada										44										44	0.4
New Hampshire															1		4			5	0.1
New Jersey	1				2	3		8	2	1				9			6	9		41	0.4
New Mexico							2			23										25	0.3
New York	56			12	3	10	1	9	3	33		4		2			29	27		189	1.9
North Carolina			5	3	5	9				3	4		26				4	5		64	0.6
North Dakota										1		2								3	<0.1
Ohio	20		2	26	6	6	2	8	13	25		3	4	3			69	40	4	231	2.3
Oregon				5		1		1		36		1	1	4			34		1	84	0.9
Pennsylvania	10				3	2			1	8			1	1			2	7	2	37	0.4
Rhode Island																	1	7		8	0.1
South Carolina				1	2															3	<0.1
Tennessee					10			1					1	3						15	0.2
Texas	22		1	11	7	8	10	16	18	39	1	10	2	3			38	42	5	233	2.4
Utah	1									6										7	0.1
Virginia	2			1													279			282	2.9
Washington	464		2	7		1	9	6	1	105		33	5	1				11	15	660	6.7
Wisconsin				3								3		1			1			8	0.1
Unknown State	17	5	20	55	15	28	42	45	23	29		3	11	6	1		6	13	9	328	3.3
# of Domestic	693	86	261	499	130	150	662	679	549	614	10	166	93	94	7	1	661	523	58	5,936	
% of Total	98	12	38	82	25	21	94	96	77	87	2	94	14	93	29	2	94	98	33		60.1

Part 2. Imported Samples

	Fresh F&V													Processed F&V				Nuts	Fish	# of	% of
	AP	AV	BK	CB	CT	CU	LH	LL	OG	ON	PN	PO	TT	CS	KZ	NZ	PK	AL	FS	Samples	Total
Australia									4											4	<0.1
Canada			1	6	47	77	5	8	1	3		10		7					7	172	1.7
Chile	7	1							79						11				50	148	1.5
China																	44		33	77	0.8
Colombia		5																		5	0.1
Costa Rica											536					43				579	5.9
Denmark																			2	2	<0.1
Dominican Republic		11			14	1														26	0.3
Ecuador												29								29	0.3
Faeroe Islands																			1	1	<0.1
Guatemala			23		5						11					7				46	0.5
Honduras					2	11					38									51	0.5
Iceland																			2	2	<0.1
Mexico		583	400	84	331	462	41	15	15	43	31	545			5	1		1		2557	25.9
Morocco									19											19	0.2
New Zealand	4									2										6	0.1
Norway																			16	16	0.2
Peru		19								41										60	0.6
Poland																			1	1	<0.1
Serbia															1					1	<0.1
South Africa									31											31	0.3
Spain																		2		2	<0.1
United Kingdom																			2	2	<0.1
Uruguay									4											4	<0.1
Vietnam																			1	1	<0.1
# of Imports	11	619	424	90	399	551	46	23	153	89	645	10	545	7	17	51	44	3	115	3842	
% of Total	2	88	62	15	75	78	6	3	22	13	98	6	80	7	71	98	6	1	65		38.9

Part 3. Mixed National Origin Samples

	Fresh F&V													Processed F&V				Nuts	Fish	# of	% of
	AP	AV	BK	CB	CT	CU	LH	LL	OG	ON	PN	PO	TT	CS	KZ	NZ	PK	AL	FS	Samples	Total
China / USA																			1	1	<0.1
Morocco / South Africa									1											1	<0.1
# of Mixed National Origin Samples									1										1	2	
% of Total									< 1										< 1		<0.1

Part 4. Unknown Origin Samples

	Fresh F&V													Processed F&V				Nuts	Fish	# of	% of
	AP	AV	BK	CB	CT	CU	LH	LL	OG	ON	PN	PO	TT	CS	KZ	NZ	PK	AL	FS	Samples	Total
Unknown Origin		1		18		7		4	6	5	1	1	41				1	5	2	92	
% of Total		< 1		3		1		1	1	1	< 1	1	6				< 1	1	1		0.9

Sample Totals: 704 706 685 607 529 708 708 706 709 708 656 177 679 101 24 52 706 531 176 9,872

Commodity Legend

AL = Almonds	CU = Cucumbers	OG = Oranges
AP = Apples	FS = Fish, Salmon	ON = Onions
AV = Avocado	KZ = Blackberries, Frozen	PK = Pumpkin, Canned
BK = Blackberries, Fresh	LH = Lettuce, Head	PN = Pineapple, Fresh
CB = Sweet Corn, Fresh	LL = Lettuce, Leaf	PO = Potatoes
CS = Sweet Corn, Frozen	NZ = Pineapple, Frozen	TT = Tomatillos
CT = Cherry Tomatoes		

Appendix G

Import Versus Domestic Pesticide Residue Comparisons

The Pesticide Data Program is designed to provide a comprehensive statistical picture of pesticide residues in the U.S. food supply, representing all sources, including imports. Most commodities consumed are generally produced in the United States with import components that vary by commodity. However, several commodities tested over the past several years were cyclical; that is, part of the year the commodity was produced domestically and part of the year it was imported.

Appendix G compares residue data reported for samples originating in the United States with those of the same commodity from a major exporting country in 2024. Residue data for domestic fresh blackberries are compared with data for samples originating in Mexico. This commodity was selected because it is a fresh product collected all 12 months of the year and it has more than 100 data points (samples) for each of the countries compared. Only residues detected in more than 5 percent of all samples are included in each comparison. All pesticides detected were registered in the United States. However, the profiles of residue findings were markedly different in the United States samples versus samples from the exporting country. The differences in residue detections between countries were likely due to the pesticides used in response to pest pressures based on differing environmental and climatic conditions as well as crop production and protection practices.

Appendix G. Import Versus Domestic Pesticide Residue Comparisons

2024 Distribution of Residues for Fresh Blackberry Samples Originating in Mexico Versus United States (Only Pesticides with Residue Detections in at Least 5 Percent of All Samples)

Pesticide	Origin	# of Samples Analyzed	# of Samples with Detections	% of Samples with Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Acetamiprid	USA	261	61	23.4	0.002 - 0.35	1.6
	Mexico	400	94	23.5	0.002 - 0.57	1.6
Azoxystrobin	USA	261	35	13.4	0.002 - 0.63	5.0
	Mexico	400	100	25	0.002 - 0.61	5.0
Bifenthrin	USA	261	51	19.5	0.002 - 0.27	1
	Mexico	400	117	29.3	0.002 - 0.85	1
Boscalid	USA	261	58	22.2	0.003 - 0.98	10.0
	Mexico	400	140	35	0.003 - 0.81	10.0
Cypermethrin	USA	261	95	36.4	0.012 - 1.7	0.8
	Mexico	400	149	37.3	0.010 - 2.7	0.8
Cyprodinil	USA	261	68	26.1	0.005 - 1.6	10
	Mexico	400	40	10	0.005 - 0.60	10
Fenhexamid	USA	261	5	1.9	0.020 - 0.79	20
	Mexico	400	39	9.8	0.014 - 1.5	20
Fludioxonil	USA	261	48	18.4	0.025 - 0.98	5.0
	Mexico	400	21	5.3	0.026 - 0.41	5.0
Fluopyram	USA	261	39	14.9	0.006 - 0.45	5.0
	Mexico	400	9	2.3	0.006 - 0.19	5.0
Hexythiazox	USA	261	10	3.8	0.002 - 0.55	3
	Mexico	400	36	9	0.004 - 0.95	3
Imidacloprid	USA	261	5	1.9	0.016 - 0.22	2.5
	Mexico	400	89	22.3	0.003 - 1.6	2.5
Malathion	USA	261	42	16.1	0.002 - 0.15	8
	Mexico	400	69	17.3	0.002 - 0.14	8
Metalaxyl/Mefenoxam ¹	USA	261	6	2.3	0.001 - 0.022	0.70
	Mexico	400	98	24.5	0.001 - 0.69	0.70

Pesticide	Origin	# of Samples Analyzed	# of Samples with Detections	% of Samples with Detections	Range of Detections, ppm ^	EPA Tolerance, ppm
Myclobutanil	USA	261	23	8.8	0.003 - 0.11	2.0
	Mexico	400	12	3	0.005 - 0.24	2.0
Pyraclostrobin	USA	261	44	16.9	0.004 - 0.53	4.0
	Mexico	400	135	33.8	0.003 - 0.73	4.0
Pyrimethanil	USA	261	27	10.3	0.080 - 1.2	15
	Mexico	400	11	2.8	0.053 - 1.2	15
Spinetoram	USA	261	54	20.7	0.003 - 0.24	0.80
	Mexico	400	72	18	0.003 - 0.13	0.80
Spinosad A	USA	261	35	13.4	0.003 - 0.12	1.0
	Mexico	400	22	5.5	0.005 - 0.11	1.0
Tetrahydrophthalimide (THPI) ²	USA	261	15	5.7	0.012 - 0.54	25.0 TP
	Mexico	400	86	21.5	0.011 - 2.1	25.0 TP

NOTES

^ When a range is not listed, only one distinct detected concentration was reported per pesticide/commodity pair.

1 Metalaxyl/mefenoxam are spatial isomers which are analytically indistinguishable via multiresidue methods, but have separate registrations.

2 Metabolite of captafol and captan.

The Limits of Detection (LODs) for pesticide detections in fresh blackberries are listed in appendix B.

EPA Tolerance Codes:

TP = Tolerance is from parent compound.

Appendix H

Pesticide Residues by Commodity (Pairs With Residue Detections in at Least 5 Percent of Samples)

Appendix H shows 137 commodity/pesticide pairs (including metabolites, isomers, and degradates) with detections in at least 5 percent of the samples tested. This appendix excludes environmental contaminants, which are listed in appendix E. The data shown include the range and mean of values detected and U.S. Environmental Protection Agency (EPA) tolerance references for each pair. The EPA tolerances cited in this summary and appendixes apply to 2024 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

APPENDIX H. PESTICIDE RESIDUES[#] BY COMMODITY
(Pairs With Residue Detections in at Least 5 Percent of Samples)

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm ^	Mean of Detections, ppm	EPA Tolerance, ppm
1 Almonds (4 pesticides)							
Azoxystrobin	F	14.9	531	79	0.002 - 0.006	0.002	0.02
Fluopyram	F	6.2	531	33	0.005 - 0.017	0.008	0.05
Methoxyfenozide	I	86.4	531	459	0.003 - 0.035	0.010	0.10
Piperonyl butoxide *	I	5.5	470	26	0.005 - 0.065	0.015	10 FH
2 Apples (13 pesticides)							
Acetamiprid *	I	31.8	704	224	0.010 - 0.17	0.042	1.0
Captan	F	14.8	704	104	0.024 - 3.1	0.45	25.0
Carbendazim (MBC) ¹	F	11.4	704	80	0.011 - 0.38	0.055	2.0
Chlorantraniliprole	I	11.9	704	84	0.020 - 0.097	0.033	1.2
Cyhalothrin, Total ² *	I	5.4	704	38	0.008 - 0.041	0.015	0.30
Diazinon	I	5.8	704	41	0.002 - 0.099	0.015	0.50
Diphenylamine (DPA)	F	66.8	704	470	0.005 - 2.7	0.46	10.0 OT
Fludioxonil	F	40.1	704	282	0.005 - 2.3	0.45	5.0
Methoxyfenozide	I	5	704	35	0.011 - 0.10	0.037	2.0
Pyraclostrobin	F	32.4	704	228	0.003 - 0.16	0.026	1.5
Pyrimethanil	F	74.1	704	522	0.003 - 12	1.6	15
Spirodiclofen	A	11.8	704	83	0.011 - 0.12	0.034	0.80
Thiabendazole	F	33.9	704	239	0.010 - 2.8	0.51	10
3 Avocado (1 pesticide)							
Azoxystrobin	F	7.4	706	52	0.001 - 0.024	0.003	2.0
4 Blackberries, Fresh (19 pesticides)							
Acetamiprid *	I	22.8	685	156	0.002 - 0.57	0.062	1.6
Azoxystrobin	F	20.9	685	143	0.002 - 0.63	0.085	5.0
Bifenthrin *	I	26.1	685	179	0.002 - 0.85	0.070	1
Boscalid	F	30.4	685	208	0.003 - 0.98	0.099	10.0
Cypermethrin *	I	38.5	685	264	0.010 - 6.2	0.20	0.8
Cyprodinil	F	15.9	685	109	0.005 - 1.6	0.14	10
Fenhexamid	F	6.4	685	44	0.014 - 1.5	0.21	20
Fludioxonil	F	10.1	685	69	0.025 - 0.98	0.12	5.0
Fluopyram	F	7	685	48	0.006 - 0.45	0.11	5.0
Hexythiazox	I	6.7	685	46	0.002 - 0.95	0.099	3
Imidacloprid	I	13.7	685	94	0.003 - 1.6	0.12	2.5
Malathion	I	18	685	123	0.002 - 0.15	0.022	8
Metalaxyl/Mefenoxam ³	F	16.9	685	116	0.001 - 0.69	0.040	0.70
Myclobutanil	F	5.4	685	37	0.003 - 0.24	0.027	2.0
Pyraclostrobin	F	27.3	685	187	0.003 - 0.73	0.046	4.0
Pyrimethanil	F	5.7	685	39	0.053 - 1.2	0.39	15
Spinetoram	I	18.4	685	126	0.003 - 0.24	0.021	0.80
Spinosad A ⁴ *	IM	8.3	685	57	0.003 - 0.12	0.020	1.0
Tetrahydrophthalimide (THPI) ⁵	FM	15.6	685	107	0.011 - 2.1	0.18	25.0 TP

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm ^	Mean of Detections, ppm	EPA Tolerance, ppm
5 Cherry Tomatoes (22 pesticides)							
Azoxystrobin	F	11.7	529	62	0.010 - 0.16	0.047	0.2
Bifenazate	A	7.6	529	40	0.005 - 0.25	0.055	4.0
Bifenthrin *	I	8.3	529	44	0.005 - 0.18	0.029	0.3
Boscalid	F	18.5	529	98	0.005 - 0.57	0.068	3.0
Buprofezin	I	17.2	529	91	0.001 - 0.37	0.036	2.0
Cyprodinil	F	12.3	529	65	0.016 - 0.24	0.057	1.5
Difenoconazole	F	35	529	185	0.005 - 0.28	0.038	0.60
Dinotefuran *	I	6	529	32	0.015 - 0.15	0.042	0.7
Fenpyroximate	A	11.9	529	63	0.005 - 0.099	0.016	0.20
Flonicamid	I	19.8	529	105	0.006 - 0.59	0.091	0.4
Fluopyram	F	12.7	529	67	0.005 - 0.38	0.026	1.0
Flupyradifurone	I	5.9	529	31	0.10 - 0.45	0.20	1.5
Flutriafol	F	9.6	529	51	0.005 - 0.085	0.024	1.0
Fluxapyroxad	F	9.3	529	49	0.005 - 0.24	0.054	0.7
Myclobutanil	F	7.2	529	38	0.006 - 0.065	0.018	0.30
Penthiopyrad	F	10	529	53	0.001 - 0.31	0.051	3.0
Pydiflumetofen	F	8.3	529	44	0.010 - 0.12	0.036	0.60
Pyraclostrobin	F	18.7	529	99	0.005 - 0.43	0.055	1.4
Pyrimethanil	F	5.3	529	28	0.005 - 0.13	0.036	0.50
Pyriproxyfen *	I	15.5	529	82	0.005 - 0.22	0.028	0.80
Spiromesifen	I	11.9	529	63	0.020 - 0.18	0.062	0.45
Trifloxystrobin	F	6.4	529	34	0.005 - 0.090	0.028	0.5
6 Cucumbers (24 pesticides)							
Acetamiprid *	I	15.5	708	110	0.002 - 0.090	0.014	0.50
Ametoctradin	F	6.8	708	48	0.002 - 0.079	0.011	3.0
Azoxystrobin	F	18.5	708	131	0.002 - 0.063	0.013	0.3
Bifenthrin *	I	12.3	708	87	0.002 - 0.041	0.010	0.4
Boscalid	F	15.8	708	112	0.002 - 0.16	0.014	3.0
Carbendazim (MBC) ¹	F	5.6	708	40	0.002 - 0.084	0.013	1.0
Chlorantraniliprole	I	6.4	708	45	0.003 - 0.019	0.005	0.5
Cyprodinil	F	6.1	708	43	0.002 - 0.078	0.015	0.70
Dimethomorph	F	10.3	708	73	0.002 - 0.026	0.007	0.5
Dinotefuran *	I	11	708	78	0.010 - 0.21	0.046	0.5
Ethaboxam	F	6.9	708	49	0.002 - 0.10	0.014	0.30
Etoxazole	A	7.2	708	51	0.002 - 0.042	0.006	0.02
Flonicamid	I	12.6	708	89	0.003 - 0.43	0.057	1.5
Fluopicolide	F	17.7	708	125	0.003 - 0.084	0.016	0.50
Fluopyram	F	42.8	708	303	0.002 - 0.37	0.034	0.60
Flutriafol	F	5.8	708	41	0.002 - 0.25	0.019	0.30
Fluxapyroxad	F	5.8	708	41	0.002 - 0.025	0.008	0.50
Imidacloprid	I	10.2	708	72	0.002 - 0.048	0.007	0.5
Metalaxyl/Mefenoxam ³	F	23.2	708	164	0.002 - 0.24	0.048	1.0
Myclobutanil	F	6.5	708	46	0.002 - 0.22	0.015	0.20
Oxamyl oxime ⁶	IM	5.2	348	18	0.042 - 0.24	0.11	2.0
Pydiflumetofen	F	7.3	708	52	0.002 - 0.076	0.020	0.50
Pyraclostrobin	F	7.8	708	55	0.002 - 0.075	0.012	0.5

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm ^	Mean of Detections, ppm	EPA Tolerance, ppm
Thiamethoxam * (parent)	I	18.4	708	130	0.003 - 0.28	0.027	0.2
Clothianidin ⁷ *	I	6.1	708	43	0.003 - 0.020	0.004	0.2 MP
7 Lettuce, Head (5 pesticides)							
Ametoctradin	F	11.4	708	81	0.001 - 0.30	0.018	40.0
Flonicamid	I	6.9	708	49	0.010 - 0.038	0.019	8
Fluopyram	F	6.1	708	43	0.001 - 0.018	0.003	40
Flupyradifurone	I	9.9	708	70	0.015 - 0.073	0.032	30
Propamocarb hydrochloride ⁸	F	25.7	708	182	0.005 - 3.3	0.10	150
8 Lettuce, Leaf (18 pesticides)							
Ametoctradin	F	32.6	706	230	0.001 - 10	1.0	40.0
Chlorantraniliprole	I	13.7	706	97	0.008 - 1.1	0.076	13
Cyhalothrin, Total ² *	I	10.2	706	72	0.030 - 0.52	0.12	2.0
DCPA	H	25.2	706	178	0.001 - 0.029	0.005	2.0 IN
Dimethomorph	F	22.4	706	158	0.010 - 5.9	0.47	30.0
Fenamidone	F	12.9	706	91	0.009 - 6.0	0.32	60
Flonicamid	I	18.6	706	131	0.010 - 1.3	0.17	8
Fluopicolide	F	7.2	706	51	0.006 - 1.3	0.26	25
Fluopyram	F	14.4	706	102	0.001 - 0.085	0.006	40
Flupyradifurone	I	19.8	706	140	0.016 - 2.2	0.34	30
Imidacloprid	I	9.1	706	64	0.030 - 0.80	0.076	3.5
Mandipropamid	F	35.3	706	249	0.010 - 3.5	0.45	25
Methoxyfenozide	I	6.5	706	46	0.001 - 3.5	0.20	30
Oxathiapiprolin	F	7.8	706	55	0.017 - 0.53	0.091	15
Permethrin (parent)							
Permethrin cis ⁹	IM	29.6	706	209	0.013 - 1.2	0.21	20
Permethrin trans ⁹	IM	24.4	706	172	0.020 - 1.5	0.24	20
Propamocarb hydrochloride ⁸	F	29.5	706	208	0.005 - 41.6	2.8	150
Spinetoram	I	13.9	706	98	0.005 - 0.18	0.020	10
Spirotetramat	I	11.5	706	81	0.003 - 0.37	0.069	9.0
9 Onions (2 pesticides)							
Fluopyram	F	8.2	708	58	0.003 - 0.076	0.014	0.40
Imidacloprid	I	10.5	708	74	0.002 - 0.063	0.007	0.15
10 Oranges (5 pesticides)							
Azoxystrobin	F	24.5	709	174	0.002 - 0.17	0.028	15.0
Fludioxonil	F	29.5	709	209	0.005 - 0.13	0.022	10
Imazalil	F	83.9	709	595	0.010 - 0.61	0.056	10.0 OT
Pyrimethanil	F	17.9	709	127	0.003 - 0.48	0.027	10
Thiabendazole	F	71.9	709	510	0.010 - 0.43	0.052	10
11 Pineapple, Fresh (1 pesticide)							
Piperonyl butoxide *	I	5.2	656	34	0.003 - 0.031	0.006	10 FH
12 Potatoes (7 pesticides)							
Azoxystrobin	F	11.3	177	20	0.011 - 1.4	0.29	8.0
Chlorpropham	H	95.5	177	169	0.005 - 12	3.5	30

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm ^	Mean of Detections, ppm	EPA Tolerance, ppm
Difenoconazole	F	10.7	177	19	0.005 - 1.4	0.35	4.0
Fludioxonil	F	7.9	177	14	0.12 - 1.0	0.36	6
Fluopyram	F	14.7	177	26	0.005 - 0.040	0.014	0.10
Thiabendazole	F	9	177	16	0.005 - 1.8	0.44	10
Thiamethoxam *	I	9.6	177	17	0.005 - 0.030	0.010	0.25
13 Pumpkin, Canned (1 pesticide)							
Bifenthrin *	I	11.9	706	84	0.002 - 0.012	0.003	0.4
14 Tomatillos (12 pesticides)							
Acephate * (parent)	I	8.5	679	58	0.005 - 0.74	0.14	0.02 FH
Methamidophos ¹⁰ *	I	11.2	679	76	0.001 - 0.090	0.022	NT
Azoxystrobin	F	19.1	679	130	0.001 - 0.028	0.004	0.2
Boscalid	F	5.2	679	35	0.003 - 0.021	0.007	3.0
Carbendazim (MBC) ¹	F	8.1	679	55	0.001 - 0.014	0.004	NT
Clothianidin *	I	18.4	679	125	0.001 - 0.043	0.005	0.25 MP
Cyromazine	R	13.1	679	89	0.006 - 0.78	0.11	1
Fluopyram	F	7.5	679	51	0.001 - 0.074	0.015	1.0
Metalaxyl/Mefenoxam ³	F	9.1	679	62	0.001 - 0.12	0.009	1
Myclobutanil	F	7.1	679	48	0.003 - 0.009	0.004	0.30
Propamocarb	F	18.7	679	127	0.001 - 0.78	0.11	4
Propiconazole	F	9.9	679	67	0.001 - 0.021	0.003	3.0
Tebuconazole	F	22.4	679	152	0.001 - 0.030	0.005	1.3

NOTES

Excludes environmental contaminants, which are listed in appendix E.

^ When a range is not listed, only one distinct detected concentration was reported for the pesticide/commodity pair.

* Residue may result from food handling establishment (FHE) application.

1 Metabolite of benomyl and thiophanate methyl.

2 Includes cyhalothrin lambda plus R157836 epimer.

3 Metalaxyl/mefenoxam are spatial isomers which are analytically indistinguishable via multiresidue methods, but have separate registrations.

4 Isomer of parent, spinosad.

5 Metabolite of captafol and captan.

6 Metabolite of parent, oxamyl.

7 Metabolite of parent, thiamethoxam.

8 Propamocarb analytically determined as the salt (hydrochloride).

9 Isomer of parent, permethrin.

10 Metabolite of parent, acephate.

Pesticide Types:

A = Acaricide

F = Fungicide, FM = Fungicide Metabolite

H = Herbicide

I = Insecticide, IM = Insecticide Metabolite

R = Insect Growth Regulator

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm ^	Mean of Detections, ppm	EPA Tolerance, ppm
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EPA Tolerance Codes:

FH = All food/feed commodities except those covered by a higher tolerance/safe use tolerance in food handling establishments.

IN = Inadvertent/negligible residue tolerance.

MP = Tolerance from parent compound with a different CFR number.

NT = No tolerance established.

OT = Tolerance has restrictions. Consult CFR for specific requirements.

TP = Tolerance is from parent compound.

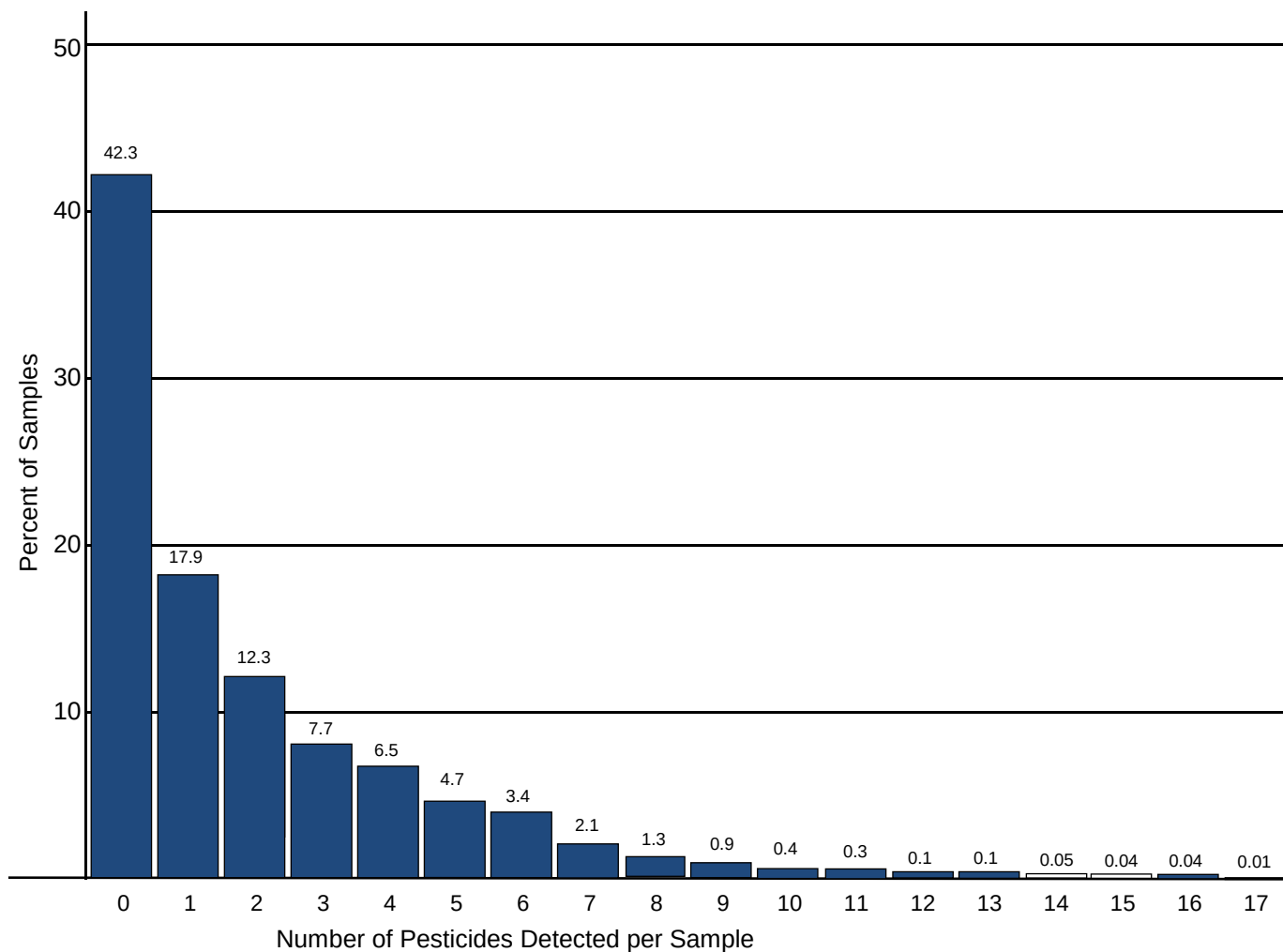
Appendix I

Number of Pesticides Detected Per Sample

Appendix I shows the percentage of samples versus the number of pesticides detected per sample. This appendix excludes environmental contaminants, which are listed in appendix E. The graph and data on page 1 show the overall number of samples and percentages (of total number of samples analyzed) for each detection group across all commodities. The table on page 2 shows the number of pesticides detected by individual commodity. For the 9,872 samples analyzed, 42.3 percent of the samples had no detectable pesticides, 17.9 percent had one pesticide detected, and 39.8 percent of the samples had more than 1 pesticide detected.

This appendix reports the number of distinct pesticides rather than residues. A parent compound and its metabolites are reported as a single pesticide.

APPENDIX I. NUMBER OF PESTICIDES¹ DETECTED PER SAMPLE



Number of Pesticides Detected per Sample																		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
# of																		
Samples	4,176	1,763	1,210	759	640	460	331	207	130	88	42	29	12	11	5	4	4	1
% of Total																		
Samples	42.3	17.9	12.3	7.7	6.5	4.7	3.4	2.1	1.3	0.9	0.4	0.3	0.1	0.1	0.05	0.04	0.04	0.01

TOTAL NUMBER OF SAMPLES = 9,872

Multiple pesticide detections may result from the application of more than one pesticide, spray drift, crop rotation, and/or cross-contamination.

NOTES

¹ Environmental contaminants, listed in appendix E, have been excluded from the count of pesticides detected in this appendix. Parent compounds and their metabolites are combined to report the number of "pesticides" rather than the number of "residues."

APPENDIX I. NUMBER OF PESTICIDES¹ DETECTED PER SAMPLE

Number of Pesticides ¹ Detected Per Sample																		
Commodity (# of samples)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Fresh Fruit and Vegetables:																		
	Percent																	
Apples (704)	5.7	6.8	13.1	15.9	21.9	15.5	11.4	5.1	2.8	1.6	0.1	--	0.1	--	--	--	--	--
Avocado (706)	88.1	10.6	0.8	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blackberries, Fresh (685)	17.5	14.6	10.2	11.4	10.7	10.8	7.7	6.6	3.1	4.1	1.9	0.7	0.3	0.4	--	--	--	--
Cherry Tomatoes (529)	21.0	12.3	11.7	10.8	11.5	10.0	10.6	5.3	3.4	1.9	0.8	0.6	0.2	--	--	--	--	--
Cucumbers (708)	16.0	15.3	16.1	12.3	11.3	7.3	5.6	4.0	3.5	2.1	1.7	1.7	1.0	0.8	0.1	0.4	0.6	0.1
Lettuce, Head (708)	46.5	27.3	15.4	6.6	2.1	1.3	0.8	--	--	--	--	--	--	--	--	--	--	--
Lettuce, Leaf (706)	11.0	10.2	10.6	13.2	13.7	11.8	10.3	8.1	5.5	2.4	1.4	0.8	0.1	0.1	0.4	0.1	--	--
Onions (708)	71.8	21.9	5.4	0.6	0.3	--	0.1	--	--	--	--	--	--	--	--	--	--	--
Oranges (709)	5.9	10.2	47.8	21.0	11.6	3.5	--	--	--	--	--	--	--	--	--	--	--	--
Pineapple, Fresh (656)	88.7	10.4	0.8	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potatoes (177)	1.7	58.2	22.0	7.3	7.9	2.8	--	--	--	--	--	--	--	--	--	--	--	--
Sweet Corn, Fresh (607)	90.0	8.2	1.6	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tomatillos (679)	21.6	24.9	17.4	13.3	8.8	7.1	3.2	1.9	0.9	0.6	0.1	--	--	--	0.1	--	--	--
Processed Fruit and Vegetables:																		
Blackberries, Frozen (24)	--	20.8	16.7	8.3	8.3	8.3	--	--	4.2	12.5	4.2	12.5	--	4.2	--	--	--	--
Pineapple, Frozen (52)	92.3	7.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pumpkin, Canned (706)	77.5	19.0	2.5	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sweet Corn, Frozen (101)	97.0	3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Percent of Total Samples	42.9	15.5	12.0	8.1	7.0	5.0	3.6	2.3	1.4	1.0	0.5	0.3	0.1	0.1	0.05	0.04	0.04	0.01
Actual Number of Samples	3,934	1,424	1,099	744	640	460	331	207	130	88	42	29	12	11	5	4	4	1
TOTAL NUMBER OF FRUIT & VEGETABLE SAMPLES = 9,165																		
Nut Product:																		
Almonds (531)	12.4	63.8	20.9	2.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Actual Number of Samples	66	339	111	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fish Product:																		
Fish, Salmon (176)	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Actual Number of Samples	176	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES

¹ Environmental contaminants, listed in appendix E, have been excluded from the count of pesticides detected in this appendix. Parent compounds and their metabolites are combined to report the number of "pesticides" rather than the number of "residues."

Appendix J

Samples Reported to the U.S. Food and Drug Administration as Exceeding the Tolerance or Without an Established Tolerance (per Code of Federal Regulations, Title 40, Part 180)

Appendix J shows pesticide residues reported to the U.S. Food and Drug Administration (FDA) as exceeding the tolerance or residues for which no established tolerance was listed under the Code of Federal Regulations, Title 40, Part 180. In 2024, a total of 379 samples with 463 pesticides were reported to the FDA as Presumptive Tolerance Violations.

Pesticides exceeding the tolerance were detected in 76 samples, including 1 sample of avocado, 22 samples of fresh blackberries, 8 samples of cherry tomatoes, 5 samples of cucumbers, 3 samples of fresh sweet corn, and 37 samples of tomatillos. Of those 76 samples, 63 were reported as imported produce. One fresh blackberry sample and one cherry tomato sample contained two pesticides each that exceeded the established tolerances.

In addition, 361 samples were found to have pesticides for which no tolerance was established, including 347 fresh fruit and vegetable samples, 9 processed fruit and vegetable samples, and 5 almond samples. Of these 361 samples, 118 were domestic (32.7 percent), 230 were imported (63.7 percent), and 13 were of unknown origin (3.6 percent).

- o 337 samples contained 1 pesticide for which no tolerance was established.
- o 23 samples contained 2 pesticides for which no tolerances were established.
- o 1 sample contained 3 pesticides for which no tolerances were established.

Of the 361 samples, 58 of them also contained 1 or more pesticides that exceeded an established tolerance.

The columns under the Sample Origin heading provide the number of samples that were of domestic, imported, or unknown origin for each pesticide/commodity pair listed.

Appendix J also notes if metabolites (or isomers) were detected as part of the same sample. In instances where both parent and metabolite (or isomer) were detected, the Pesticide Data Program (PDP) accounted for both as part of the same tolerance expression.

The Environmental Protection Agency (EPA) tolerances cited in this summary and appendixes apply to 2024 and not to the current year. There may be instances where tolerances have been recently set, modified, or revoked that would have an effect on whether a residue is violative or not.

A number of the findings shown in this appendix are less than 0.01 ppm. Levels below 0.01 ppm are deemed by the U.S. FDA to be “not of regulatory significance.”

**APPENDIX J. SAMPLES REPORTED TO FDA AS EXCEEDING THE TOLERANCE
OR WITHOUT AN ESTABLISHED TOLERANCE
(per Code of Federal Regulations, Title 40, Part 180)**

Residues Exceeding Established Tolerance

Commodity / Pesticide	Limit of Detection, ppm	Concentration Detected, ppm	EPA Tolerance Level, ppm	Country of Origin
1 Avocado / Deltamethrin ¹	0.010	0.088	0.05 FH	Mexico
2 Blackberries, Fresh / Acephate	0.003	2.2	0.02 FH	Mexico
3 Blackberries, Fresh / Acephate	0.003	1.9	0.02 FH	Mexico
4 Blackberries, Fresh / Acephate	0.003	1.5	0.02 FH	Mexico
5 Blackberries, Fresh / Acephate	0.003	0.76	0.02 FH	Mexico
6 Blackberries, Fresh / Acephate ²	0.003	0.15	0.02 FH	Mexico
7 Blackberries, Fresh / Acephate	0.003	0.11	0.02 FH	Mexico
8 Blackberries, Fresh / Acephate	0.003	0.079	0.02 FH	Mexico
9 Blackberries, Fresh / Acephate	0.003	0.043	0.02 FH	Mexico
10 Blackberries, Fresh / Acephate	0.003	0.043	0.02 FH	Mexico
11 Blackberries, Fresh / Cyhalothrin, Total ³	0.005	0.31	0.01 FH	Mexico
12 Blackberries, Fresh / Cyhalothrin, Total ³	0.005	0.071	0.01 FH	Mexico
13 Blackberries, Fresh / Cyhalothrin, Total ³	0.005	0.063	0.01 FH	U.S.
14 Blackberries, Fresh / Cyhalothrin, Total ^{2, 3}	0.005	0.037	0.01 FH	Mexico
15 Blackberries, Fresh / Cyhalothrin, Total ³	0.005	0.024	0.01 FH	Mexico
16 Blackberries, Fresh / Cyhalothrin, Total ³	0.005	0.024	0.01 FH	Mexico
17 Blackberries, Fresh / Cypermethrin	0.010	6.2	0.8	Guatemala
18 Blackberries, Fresh / Cypermethrin	0.010	4.3	0.8	Guatemala
19 Blackberries, Fresh / Cypermethrin	0.010	2.7	0.8	Mexico
20 Blackberries, Fresh / Cypermethrin	0.010	1.8	0.8	Guatemala
21 Blackberries, Fresh / Cypermethrin	0.010	1.7	0.8	U.S.
22 Blackberries, Fresh / Cypermethrin	0.010	1.1	0.8	Guatemala
23 Blackberries, Fresh / Cypermethrin	0.010	1.1	0.8	Mexico
24 Blackberries, Fresh / Cypermethrin	0.010	1.0	0.8	Guatemala
25 Cherry Tomatoes / Acephate	0.075	0.36	0.02 FH	U.S.
26 Cherry Tomatoes / Acephate	0.075	0.14	0.02 FH	U.S.
27 Cherry Tomatoes / Captan ⁴	0.20	0.20	0.05	Canada
28 Cherry Tomatoes / Flonicamid	0.005	0.59	0.4	Mexico
29 Cherry Tomatoes / Flonicamid	0.005	0.53	0.4	Mexico
30 Cherry Tomatoes / Tetrahydrophthalimide (THPI) ^{4, 5}	0.015	0.37	0.05 TP	Canada
31 Cherry Tomatoes / Tetrahydrophthalimide (THPI) ⁵	0.015	0.18	0.05 TP	Mexico

Commodity / Pesticide	Limit of Detection, ppm	Concentration Detected, ppm	EPA Tolerance Level, ppm	Country of Origin
32 Cherry Tomatoes / Tetrahydrophthalimide (THPI) ⁵	0.015	0.068	0.05 TP	Mexico
33 Cherry Tomatoes / Tetrahydrophthalimide (THPI) ⁵	0.015	0.062	0.05 TP	Mexico
34 Cucumbers / Cyazofamid	0.006	0.17	0.10	Mexico
35 Cucumbers / Etoxazole	0.001	0.042	0.02	Mexico
36 Cucumbers / Etoxazole	0.001	0.032	0.02	Mexico
37 Cucumbers / Methomyl	0.015	0.37	0.2	Mexico
38 Cucumbers / Myclobutanil	0.005	0.22	0.20	Canada
39 Sweet Corn, Fresh / Deltamethrin ¹	0.010	0.16	0.05 FH	U.S.
40 Sweet Corn, Fresh / Deltamethrin ¹	0.010	0.099	0.05 FH	U.S.
41 Sweet Corn, Fresh / Permethrin Total	0.010	0.25	0.10	U.S.
42 Tomatillos / Acephate	0.005	0.74	0.02 FH	Mexico
43 Tomatillos / Acephate	0.005	0.66	0.02 FH	Mexico
44 Tomatillos / Acephate	0.005	0.41	0.02 FH	Mexico
45 Tomatillos / Acephate	0.005	0.39	0.02 FH	Mexico
46 Tomatillos / Acephate	0.005	0.38	0.02 FH	Mexico
47 Tomatillos / Acephate	0.005	0.33	0.02 FH	Mexico
48 Tomatillos / Acephate	0.005	0.29	0.02 FH	Mexico
49 Tomatillos / Acephate	0.005	0.29	0.02 FH	Mexico
50 Tomatillos / Acephate	0.005	0.27	0.02 FH	U.S.
51 Tomatillos / Acephate	0.005	0.26	0.02 FH	Mexico
52 Tomatillos / Acephate	0.005	0.26	0.02 FH	U.S.
53 Tomatillos / Acephate	0.005	0.25	0.02 FH	Mexico
54 Tomatillos / Acephate	0.005	0.25	0.02 FH	Mexico
55 Tomatillos / Acephate	0.005	0.25	0.02 FH	U.S.
56 Tomatillos / Acephate	0.005	0.24	0.02 FH	Mexico
57 Tomatillos / Acephate	0.005	0.24	0.02 FH	Unknown
58 Tomatillos / Acephate	0.005	0.24	0.02 FH	U.S.
59 Tomatillos / Acephate	0.005	0.22	0.02 FH	Mexico
60 Tomatillos / Acephate	0.005	0.21	0.02 FH	Mexico
61 Tomatillos / Acephate	0.005	0.16	0.02 FH	Mexico
62 Tomatillos / Acephate	0.005	0.13	0.02 FH	Mexico
63 Tomatillos / Acephate	0.005	0.13	0.02 FH	Mexico
64 Tomatillos / Acephate	0.005	0.11	0.02 FH	Mexico
65 Tomatillos / Acephate	0.005	0.11	0.02 FH	Mexico

Commodity / Pesticide	Limit of Detection, ppm	Concentration Detected, ppm	EPA Tolerance Level, ppm	Country of Origin
66 Tomatillos / Acephate	0.005	0.077	0.02 FH	Mexico
67 Tomatillos / Acephate	0.005	0.066	0.02 FH	Mexico
68 Tomatillos / Acephate	0.005	0.065	0.02 FH	U.S.
69 Tomatillos / Acephate	0.005	0.064	0.02 FH	Mexico
70 Tomatillos / Acephate	0.005	0.062	0.02 FH	Mexico
71 Tomatillos / Acephate	0.005	0.062	0.02 FH	Mexico
72 Tomatillos / Acephate	0.005	0.057	0.02 FH	Mexico
73 Tomatillos / Acephate	0.005	0.051	0.02 FH	Mexico
74 Tomatillos / Acephate	0.005	0.044	0.02 FH	Mexico
75 Tomatillos / Acephate	0.005	0.04	0.02 FH	Mexico
76 Tomatillos / Acephate	0.005	0.038	0.02 FH	Mexico
77 Tomatillos / Acephate	0.005	0.031	0.02 FH	Mexico
78 Tomatillos / Acephate	0.005	0.030	0.02 FH	Mexico

NOTES

- 1 Deltamethrin includes parent Tralomethrin.
- 2 Blackberry sample had 2 tolerance exceeders: acephate and cyhalothrin total.
- 3 Includes cyhalothrin lambda plus R157836 epimer.
- 4 Cherry tomato sample had 2 tolerance exceeders: captan and its tetrahydrophthalimide metabolite.
- 5 Metabolite of captafol and captan.

EPA Tolerance Codes:

FH = All food/feed commodities except those covered by a higher tolerance in food handling establishments.

TP = Tolerance is from parent compound.

**Distribution of Residues with No Tolerance Listed in 40 CFR, Part 180,
by Commodity/Pesticide**

Commodity / Pesticide	Number of Samples	Samples		Range of Values Detected, ppm ^	Range of LODs, ppm ^	Sample Origin		
		With Detections	% of Samples			U.S.	Import	Unk.
1 Almonds (3 pesticides)								
Diphenylamine (DPA)	531	1	0.2	0.010	0.002	1	0	0
o-Phenylphenol	531	2	0.4	0.006 - 0.009	0.005	2	0	0
Thiabendazole	500	2	0.4	0.004	0.002	2	0	0
2 Apples (1 pesticide)								
Chlorpropham	704	3	0.4	0.005 - 0.009	0.005	3	0	0
3 Avocado (2 pesticides)								
Dicofol p,p'	348	6	1.7	0.001 - 0.040	0.001	2	4	0
S-Bioallethrin	328	1	0.3	0.012	0.010	0	1	0
4 Blackberries, Fresh (12 pesticides)								
Chlorothalonil	685	3	0.4	0.085 - 0.49	0.020	0	3	0
DCPA	685	1	0.1	0.002	0.002	1	0	0
Difenoconazole	685	3	0.4	0.013 - 0.049	0.010	1	2	0
Dimethoate ¹	685	6	0.9	0.009 - 0.34	0.005	1	5	0
Omethoate ¹	310	2	0.6	0.055 - 0.086	0.020	1	1	0
Dimethomorph	685	4	0.6	0.004 - 0.039	0.003	0	4	0
Diphenylamine (DPA)	685	1	0.1	0.005	0.002	1	0	0
Methamidophos	655	19	2.9	0.005 - 2.0	0.005	0	19	0
Permethrin (parent)								
Permethrin cis ²	685	3	0.4	0.013 - 0.33	0.010	0	3	0
Permethrin trans ²	685	3	0.4	0.013 - 0.36	0.010	0	3	0
Spirodiclofen	685	1	0.1	0.010	0.010	0	1	0
Spirotetramat	685	3	0.4	0.002 - 0.004	0.002	0	3	0
Tebuconazole	685	2	0.3	0.017 - 0.062	0.010	0	2	0
Thiabendazole	685	4	0.6	0.002 - 0.038	0.002	1	3	0
5 Blackberries, Frozen (4 pesticides)								
Methamidophos	23	1	4.3	0.042	0.005	0	1	0
Tebuconazole	24	1	4.2	0.027	0.010	0	1	0
Thiabendazole	24	1	4.2	0.018	0.002	0	1	0
Thiacloprid	24	1	4.2	0.004	0.001	0	1	0
6 Cherry Tomatoes (3 pesticides)								
Carbendazim (MBC) ³	529	1	0.2	0.045	0.010	0	1	0
Chlorpropham	529	4	0.8	0.005 - 0.008	0.005	2	2	0
Methamidophos	529	2	0.4	0.073 - 0.26	0.020	2	0	0

Commodity / Pesticide	Number of Samples	Samples With Detections	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Sample Origin		
						U.S.	Import	Unk.
7 Cucumbers (7 pesticides)								
Atrazine	708	1	0.1	0.002	0.001	0	1	0
Chlorpropham	708	20	2.8	0.002 - 0.010	0.001 - 0.005	2	18	0
Dimethoate	693	2	0.3	0.005 - 0.007	0.001 - 0.005	0	2	0
Omethoate	708	1	0.1	0.008	0.002 - 0.005	0	1	0
Fenamiphos (parent)								
Fenamiphos sulfone ⁴	708	1	0.1	0.018	0.002 - 0.005	0	1	0
Fenamiphos sulfoxide ⁴	708	2	0.3	0.010 - 0.051	0.002 - 0.005	0	2	0
Formetanate hydrochloride	348	2	0.6	0.022 - 0.031	0.010	0	2	0
Methamidophos	708	1	0.1	0.038	0.001 - 0.020	0	1	0
Monocrotophos	348	1	0.3	0.12	0.010	0	1	0
8 Lettuce, Head (3 pesticides)								
2,6-dichlorobenzamide	708	1	0.1	0.014	0.010	1	0	0
Diphenylamine (DPA)	708	1	0.1	0.014	0.010	1	0	0
Prometryn	708	1	0.1	0.004	0.003	1	0	0
9 Lettuce, Leaf (10 pesticides)								
2,6-dichlorobenzamide	706	25	3.5	0.010 - 0.047	0.010	25	0	0
Cyphenothrin	706	1	0.1	0.23	0.10	1	0	0
Difenoconazole	706	5	0.7	0.001 - 0.003	0.001	5	0	0
Hexythiazox	706	1	0.1	0.002	0.002	1	0	0
Linuron	706	3	0.4	0.012 - 0.22	0.010	3	0	0
Prometryn	706	4	0.6	0.004 - 0.16	0.003	4	0	0
Propiconazole	706	2	0.3	0.006 - 0.007	0.005	2	0	0
Pyrimethanil	706	5	0.7	0.004 - 0.019	0.004	5	0	0
Triadimenol	706	1	0.1	0.072	0.001	1	0	0
Trifluralin	706	6	0.8	0.002 - 0.012	0.002	6	0	0
10 Onions (3 pesticides)								
Flonicamid	708	1	0.1	0.002	0.001	0	1	0
Flutriafol	708	5	0.7	0.002 - 0.005	0.001	5	0	0
Norflurazon desmethyl	708	3	0.4	0.002 - 0.005	0.001 - 0.006	3	0	0
11 Pineapple, Fresh (7 pesticides)								
3-Hydroxycarbofuran	656	1	0.2	0.002	0.001	0	1	0
Azoxystrobin	656	2	0.3	0.003	0.001	0	2	0
Carbendazim (MBC) ³	656	8	1.2	0.002 - 0.011	0.001	0	8	0
Diflubenzuron	656	1	0.2	0.002	0.001	0	1	0
Imidacloprid ⁵	656	1	0.2	0.007	0.003	0	1	0
Imidacloprid olefin ⁵	656	13	2	0.003 - 0.019	0.003	0	13	0
Omethoate	656	1	0.2	0.002	0.001	0	1	0
Tebuconazole	656	1	0.2	0.002	0.001	0	1	0

Commodity / Pesticide	Number of Samples	Samples With Detections	% of Samples	Range of Values Detected, ppm ^	Range of LODs, ppm ^	Sample Origin		
						U.S.	Import	Unk.
12 Pineapple, Frozen (2 pesticides)								
Carbendazim (MBC) ³	52	1	1.9	0.002	0.001	0	1	0
Omethoate	52	1	1.9	0.007	0.001	0	1	0
13 Pumpkin, Canned (2 pesticides)								
Carbofuran	706	1	0.1	0.002	0.001	0	1	0
o-Phenylphenol	706	2	0.3	0.002	0.001 - 0.003	2	0	0
14 Sweet Corn, Fresh (2 pesticides)								
Dicofol p,p'	607	14	2.3	0.001 - 0.055	0.001	12	1	1
Endosulfan (parent)								
Endosulfan I ⁶	607	4	0.7	0.012 - 0.027	0.010	4	0	0
Endosulfan II ⁶	607	1	0.2	0.014	0.010	1	0	0
15 Tomatillos (14 pesticides)								
Carbendazim (MBC) ³	679	55	8.1	0.001 - 0.014	0.001	8	44	3
Chlorpropham	679	6	0.9	0.001 - 0.007	0.001	0	5	1
Cyproconazole	679	4	0.6	0.003 - 0.004	0.001	0	4	0
Diflubenzuron	679	1	0.1	0.001	0.001	0	1	0
Epoxiconazole	679	1	0.1	0.002	0.001	0	1	0
Fenbuconazole	679	4	0.6	0.002 - 0.003	0.001	0	3	1
Fipronil	679	1	0.1	0.002	0.001	0	1	0
Foramsulfuron	679	1	0.1	0.001	0.001	0	1	0
Iprodione	679	1	0.1	0.003	0.003	1	0	0
Methamidophos	679	76	11.2	0.001 - 0.090	0.001	8	62	6
Monocrotophos	679	9	1.3	0.003 - 0.046	0.003	0	8	1
Profenofos	679	3	0.4	0.002 - 0.005	0.001	1	1	1
Prothioconazole desthio	679	1	0.1	0.007	0.001	1	0	0
Thiabendazole	679	2	0.3	0.003	0.001	0	2	0

NOTES

^ When a range is not listed, only one distinct detected concentration or LOD value was reported for the pesticide/commodity pair.

- 1 Two fresh blackberry samples contained both dimethoate and its omethoate metabolite.
- 2 Three fresh blackberry samples contained both the cis and trans permethrin isomers.
- 3 Carbendazim (MBC) is a metabolite of benomyl and thiophanate methyl.
- 4 One cucumber sample contained both the sulfone and sulfoxide fenamiphos metabolites.
- 5 One fresh pineapple sample contained both imidacloprid and its olefin metabolite.
- 6 One fresh sweet corn sample contained both the endosulfan I and II stereoisomers of endosulfan.

Note:

For those pesticide/commodity pairs where the minimum detected value is less than the limit of quantitation (3 times the limit of detection), the reported values are estimates. In a few cases, this may apply to the maximum detected value.